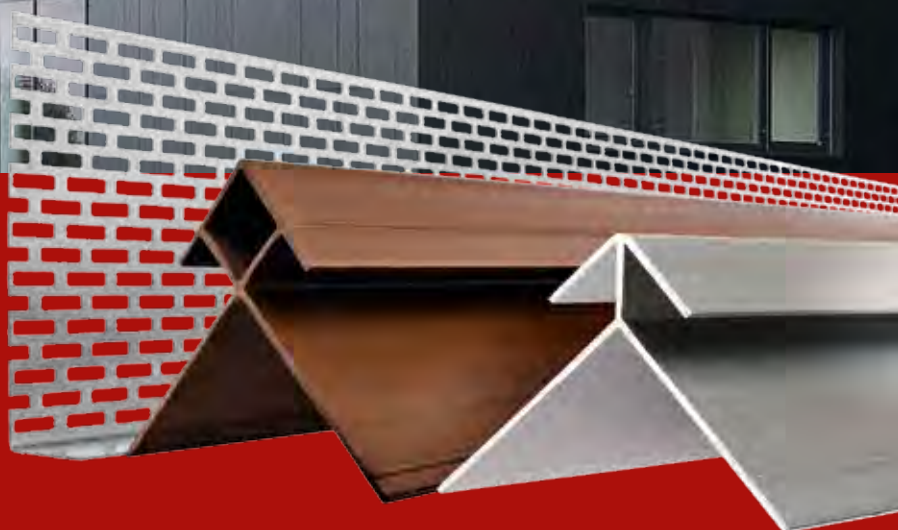


## **FACADE PROFILES** FOR VERSATILE APPLICATIONS



EDGE FORMATION  
JOINT STRUCTURE  
CONNECTION STRUCTURE  
REVEAL FORMATION  
ROOF AND FACADE VENTILATION  
CUSTOM SOLUTIONS



PROFILES  
FOR MODERN  
BUILDING

# TABLE OF CONTENTS (ascending by part number)

Profile No.	Page
<b>33..</b>	
<b>NEW!</b> 3310	31
<b>NEW!</b> 3311	31
<b>NEW!</b> 3312	31
<b>NEW!</b> 3313	31
3320	13
3321	13
3322	31
3323	13
3324	13
3325	31
3326	31
3327	32
3328	13
3329	13
3330	13
3331	32
3332	32
3333	32
3334	32
3335	31
3336	31
<b>35..</b>	
3501	12
3502	44
3503	48
3504	12
3505	17
3506	9
3509	48
3518	61
3519	61
3520	60
3524	60
3525	61
3527	44
3528	61
3529	44
3533	25
3534	25
3535	25
3536	25
3537	25
3538	26
3539	26
3540	61
3542	28
3544	59
3545	29
3546	29
3547	29
3548	29
3549	12

Profile No.	Page
3551	59
3554	26
3555	12
3557	28
3560	36
3561	36
3562	36
3563	44
3567	26
3568	13
3569	9
3570	46
3571	46
3572	46
3573	46
3575	48
3576	46
3577	28
3578	60
3579	46
3580	46
3581	46
3583	29
3585	26
3588	59
3589	59
3590	12
<b>36..</b>	
3600	45
3609	44
3610	54
3611	54
3612	54
3613	54
3614	54
3617	54
3618	58
3620	45
3623	9
3624	11
3627	35
3628	35
3633	48
3634	48
3654	17
3658	44
3662	57
3663	57
3664	57
3665	36
3666	36
3667	35
3668	35

Profile No.	Page
3669	35
3674	9
3677	55
3678	55
3679	55
3681	55
3682	55
3683	55
3685	55
3686	55
3687	58
3691	44
<b>NEW!</b> 3695	54
<b>90..</b>	
9040	55
9041	55
9042	21
9043	53
9044	53
9046	54
9047	23
9048	23
9049	23
9050	23
9053	21
<b>NEW!</b> 9054	21
9056	57
9059	57
9061	23
9062	23
9063	58
9071	53
9072	53
9073	54
9080	8
9081	39
9082	39
9083	59
9084	39
9085	43
9086	24
9087	24
9088	24
9089	24
9090	43
9091	28
9092	23
9093	39
9094	39
9095	55
9096	55
<b>93..</b>	
9300	53

Profile No.	Page
9301	53
9302	54
9303	54
9306	53
9309	53
9311	28
9312	53
9313	53
9314	53
9315	28
9320	55
9321	55
9322	55
9323	55
9324	55
9325	55
9330	53
9331	53
9332	53
9333	53
9334	53
9335	53
<b>94..</b>	
9400	8
9402	8
9404	48
9405	48
9406	48
9407	44
9408	44
9409	44
<b>NEW!</b> 9430	8
<b>NEW!</b> 9431	8
<b>NEW!</b> 9432	17
<b>NEW!</b> 9433	17
<b>NEW!</b> 9434	60
<b>NEW!</b> 9435	60
<b>NEW!</b> 9436	60
<b>NEW!</b> 9437	60
<b>NEW!</b> 9440	7
<b>NEW!</b> 9441	7
<b>NEW!</b> 9442	7
<b>NEW!</b> 9443	7
<b>NEW!</b> 9444	11
<b>NEW!</b> 9445	11
<b>NEW!</b> 9446	11
<b>NEW!</b> 9447	11
<b>NEW!</b> 9448	11
<b>NEW!</b> 9449	11
<b>NEW!</b> 9450	43
<b>NEW!</b> 9451	43
<b>NEW!</b> 9460	7
<b>NEW!</b> 9461	7

# RANGE OF PRODUCTS

## PROTEKTOR FACADE PROFILES



### EDGE FORMATION

Page 5 - 18

Corner profiles without covered cutting edges	Page 06 - 09
Corner profiles with covered cutting edges	Page 10 - 12
Accessories for corner profiles	Page 13
Application instructions	Page 14 - 15
Corner profiles for inside corners	Page 16 - 17
Application instructions	Page 18



### JOINT STRUCTURE

Page 19 - 32

Joint profiles (corrugated profile) vertical and horizontal	Page 20 - 21
Joint profiles only horizontal	Page 22 - 26
Joint profiles only vertical	Page 27 - 29
Joint tapes	Page 30 - 32



### CONNECTION STRUCTURE

Page 33 - 40

Connecting profiles with covered cutting edges	Page 34 - 36
Application instructions	Page 37
Connecting profiles without covered cutting edges	Page 38 - 39
Application instructions	Page 40



### REVEAL FORMATION

Page 41 - 48

Connecting profiles and profile edgings	Page 42 - 44
Box profiles	Page 45
Rear-ventilated reveal system	Page 46 - 47
Accessories	Page 48



### ROOF AND FACADE VENTILATION

Page 49 - 1

Ventilation angles	Page 53 - 54
Ventilation strips	Page 55
Eaves ventilation	Page 56 - 58
Socket profiles / rain repelling profiles	Page 59
Angle profiles	Page 60 - 61



### CUSTOM SOLUTIONS

Page 62

# PRODUCT INFORMATION

## PROTEKTOR – PROFILES FOR MODERN BUILDING

PROTEKTOR facade profiles stand for recognisable quality made in Germany. All PROTEKTOR plastic facade profiles are made without lead stabilisers!

### General notes regarding the installation of facade profiles

The guidelines of board and substructure manufacturers as well as all applicable requirements, standards and directives must be taken into consideration and observed when selecting and installing the facade profiles.

Like all products, materials and building materials, facade profiles face thermal expansion in the building. The temperature limits of - 20° C and + 80° C according to DIN 18516-1 must be taken into account.

Additionally, take the installation temperature into consideration and maintain the necessary distances at profile joints. Like most components of rear-ventilated curtain walls, the facade profiles must not be constrained. Always allow for linear expansion in the profiles.

Example:

At a temperature difference of 50° K, the linear expansion of hard PVC profiles is approx. 3.8 mm per metre.

For aluminium profiles, the linear expansion is approx. 1.2 mm per metre for the same temperature difference.

The facade profiles should generally be shortened to the length or width of the board for installation and ideally the storey height should not be exceeded.

Keep profiles from overlapping. This can be achieved by constructive measures such as notching or mitred profiles.

**All PROTEKTOR plastic facade profiles must be installed in a pressure-free and tension-free manner.**

### Physical and thermal properties of aluminium profiles

Properties	Unit	Test method	Values
Coefficient of linear expansion	K <sup>-1</sup> /m	Leitz dilatometer	24 x 10 <sup>-6</sup>

### Physical and thermal properties of plastic profiles made of highly impact resistant hard PVC

Properties	Unit	Test method	Values
Tensile strength	N/mm <sup>2</sup>	DIN 53455	48
Elongation	%	DIN 53455	35
Impact resistance	KJ/m <sup>2</sup>	DIN 53453	
at + 21° C	KJ/m <sup>2</sup>	(short standard rod)	without break
at 0° C	KJ/m <sup>2</sup>	(short standard rod)	without break
at - 20° C	KJ/m <sup>2</sup>	(short standard rod)	without break
Notched impact strength at + 21° C	KJ/m <sup>2</sup>	DIN 53448	36,0
Notched impact strength at 0° C	KJ/m <sup>2</sup>	DIN 53448	7,5
Brinell hardness after 10 and 60 seconds	N/mm <sup>2</sup>	DIN 53456	102,7/93,7
Density	g/cm <sup>3</sup>	DIN 53479	1.48
Modulus of elasticity	N/mm <sup>2</sup>	DIN 53457	2.500
Water absorption after 96 hours	%	DIN 53495	≤ 0,06
Dimensional stability Vicat B	°C	DIN 53460	80
Coefficient of linear expansion	K <sup>-1</sup> /m	Leitz dilatometer	76 x 10 <sup>-6</sup>

### Materials, Colours

PROTEKTOR aluminium and PVC facade profiles are manufactured according to the applicable standards. EPDM stands for Ethylene Propylene Diene Monomer, which is a synthetic rubber with exceptional properties.

PROTEKTOR PVC facade profiles are manufactured in the following standard colours (due to the printing process, the colours depicted here may appear different than the originals). We are able to produce any standard profile in any RAL COLOUR CODING colour you wish. In that case, however, please note that a minimum order quantity of 100 kg per profile and colour applies. Kindly contact us directly for a quote.



### Light and weather durability, fire behaviour

Our PROTEKTOR hard PVC profiles achieve the highest possible light durability level (level 8) on the wool scale. The formula we have developed together with our suppliers, prevents the usage of waste or reclaimed materials in our products. In accordance with our General Sales terms and conditions (section 6), we provide a guarantee of 5 years for the technical functionality of the facade profiles.

In DIN 4102 Part 4, the polyvinyl chloride (PVC-U), which is free of plasticisers, has been classified as building material class B1 - flame resistant - according to DIN 19531.

### Packaging, custom products (see page 62)

For non-standard packaging units a surcharge of 10.00 € per package, for unpacking and repackaging, will be charged.

Subject to change. Previous catalogues are hereby rendered invalid.  
Version: April 2011

## EDGE FORMATION



Corner profiles without covered cutting edges

Corner profiles with covered cutting edges

Accessories for corner profiles

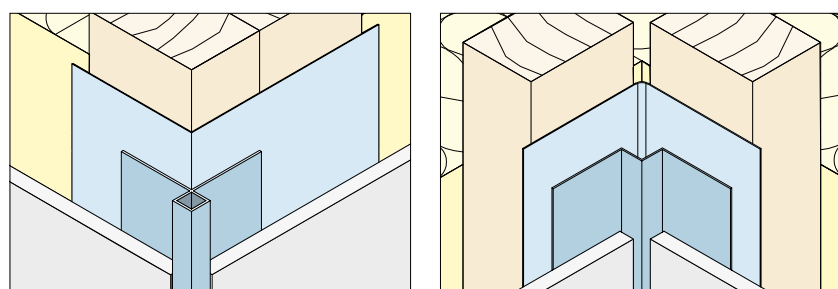
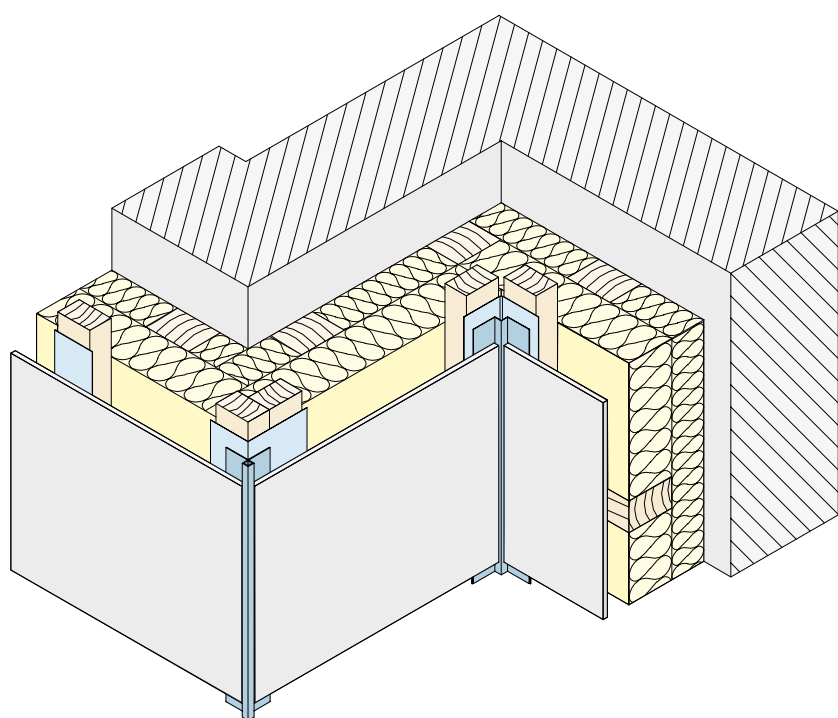
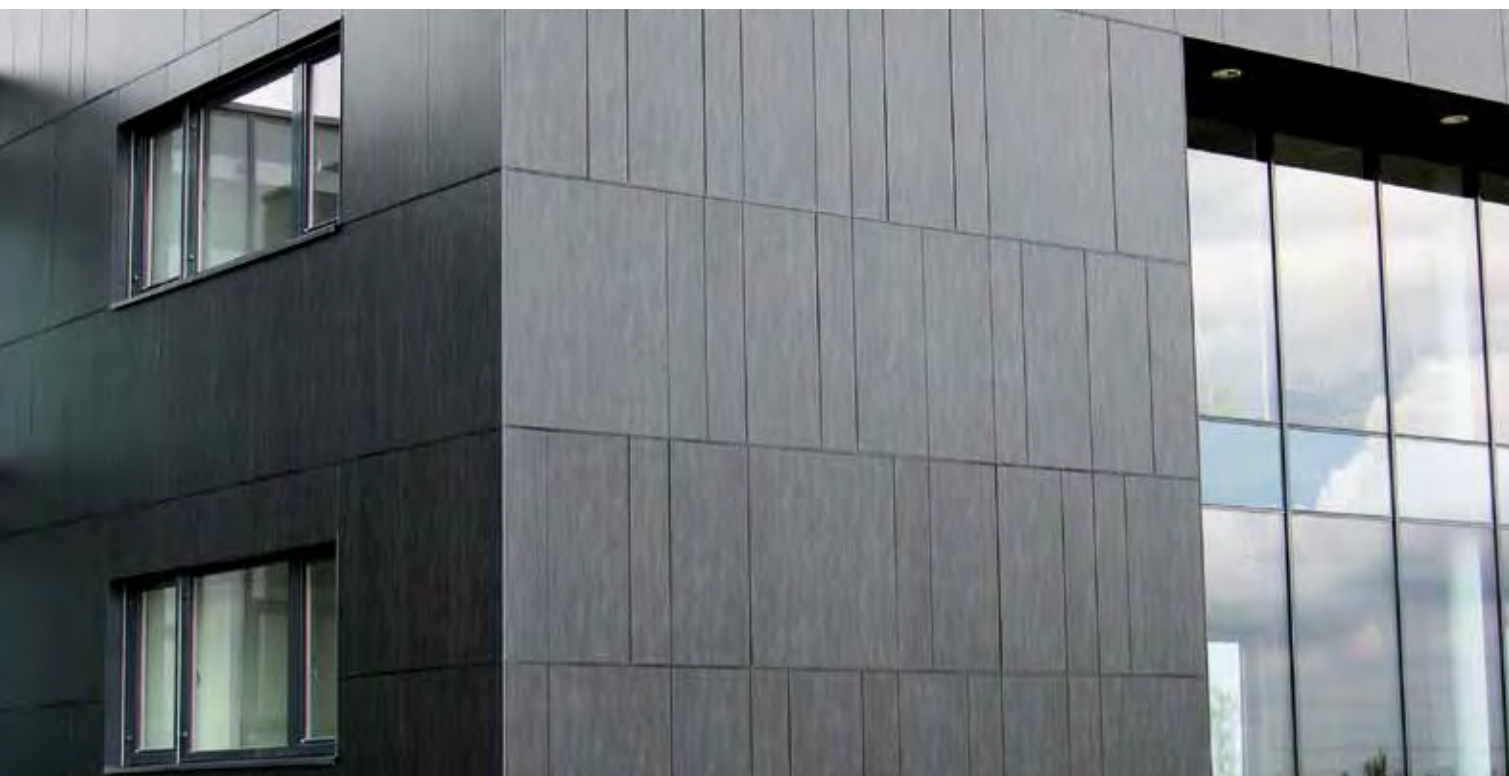
Application instructions

Corner profiles for inside corners

Application instructions

## EDGE FORMATION

### CORNER PROFILES WITHOUT COVERED CUTTING EDGES



Corner profiles are used for facade design. They cover the cutting edges of the facade boards and form a clean, precise edge.

The guidelines of board and substructure manufacturers as well as all applicable requirements, standards and directives must be taken into consideration and observed when selecting and installing the corner profiles.

# EDGE FORMATION

## CORNER PROFILES WITHOUT COVERED CUTTING EDGES

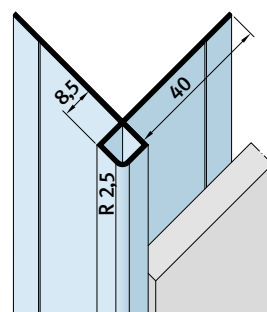
### 9440 | 9441

Profile	Material	Colour number
9440	aluminium	natural
9441	aluminium	EV 1

**Lengths:** 300 cm

**Packaging:** 10 pieces per package

Please see page 14 for application instructions.



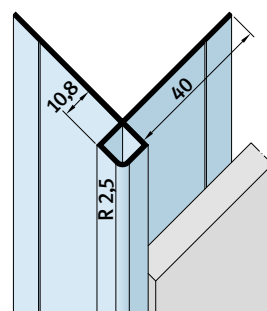
### 9442 | 9443

Profile	Material	Colour number
9442	aluminium	natural
9443	aluminium	EV 1

**Lengths:** 300 cm

**Packaging:** 10 pieces per package

Please see page 14 for application instructions.



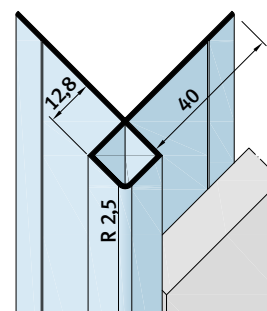
### 9460 | 9461

Profile	Material	Colour number
9460	aluminium	natural
9461	aluminium	EV 1

**Lengths:** 300 cm

**Packaging:** 10 pieces per package

Please see page 14 for application instructions.



# EDGE FORMATION

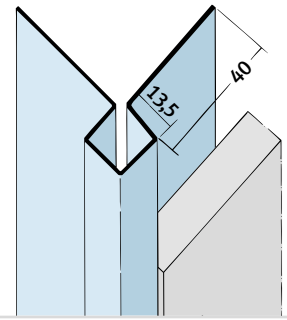
## CORNER PROFILES WITHOUT COVERED CUTTING EDGES

### 9080

Profile	Material	Colour number
9080	aluminium	natural

**Lengths:** 250 cm  
**Packaging:** 10 pieces per package

Please see page 48 for accessories and page 14 for application instructions.

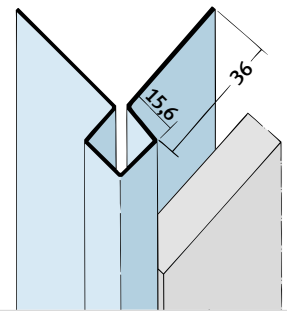


### 9400

Profile	Material	Colour number
9400	aluminium	natural

**Lengths:** 250 cm  
**Packaging:** 10 pieces per package

Please see page 48 for accessories and page 14 for application instructions.

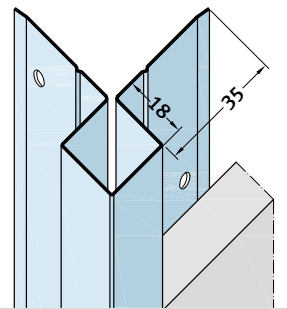


### 9402

Profile	Material	Colour number
9402	aluminium	natural

**Lengths:** 250 cm  
**Packaging:** 10 pieces per package

Please see page 48 for accessories and page 14 for application instructions.

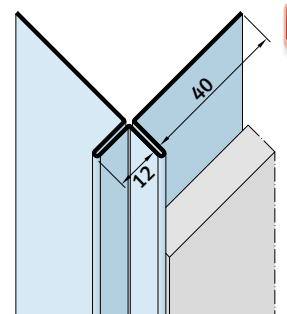


### 9430

Profile	Material	Colour number
9430	aluminium	natural

**Lengths:** 250 cm  
**Packaging:** 10 pieces per package

Versatile, for large-scale facade panels. Please see page 14 for application instructions.



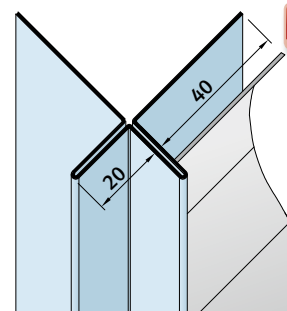
**NEW!**

### 9431

Profile	Material	Colour number
9431	aluminium	natural

**Lengths:** 250 cm  
**Packaging:** 10 pieces per package

Versatile, for large-scale facades, bevel siding, corrugated aluminium sheets etc. Please see page 14 for application instructions.



**NEW!**

Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised



# EDGE FORMATION

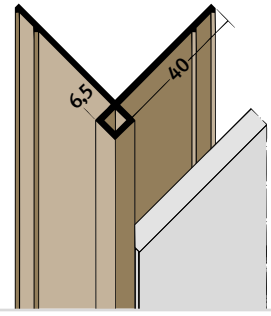
## CORNER PROFILES WITHOUT COVERED CUTTING EDGES

### 3569

Profile	Material	Colour number
3569	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm, 300 cm  
**Packaging:** 10 pieces per package

Please see page 13 for accessories and page 15 for application instructions.

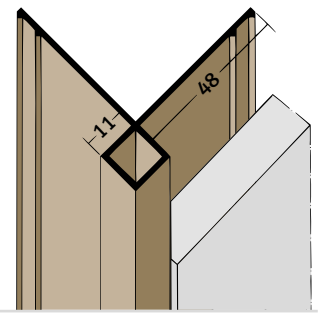


### 3623

Profile	Material	Colour number
3623	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm, 300 cm  
**Packaging:** 10 pieces per package

Please see pages 13 and 48 for accessories and page 15 for application instructions.

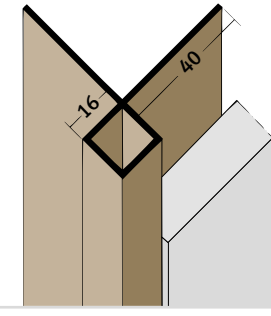


### 3506

Profile	Material	Colour number
3506	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm, 300 cm  
**Packaging:** 10 pieces per package

Please see pages 13 and 48 for accessories and page 15 for application instructions.

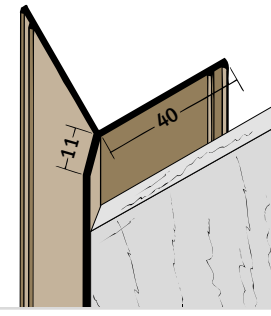


### 3674

Profile	Material	Colour number
3674	hard PVC	90

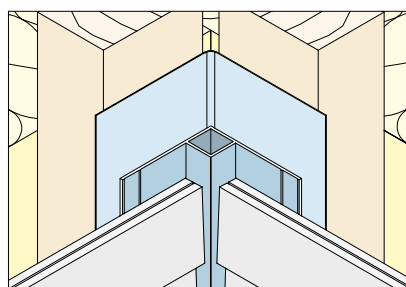
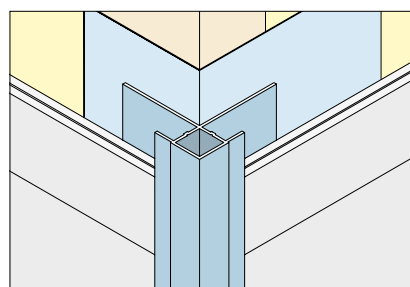
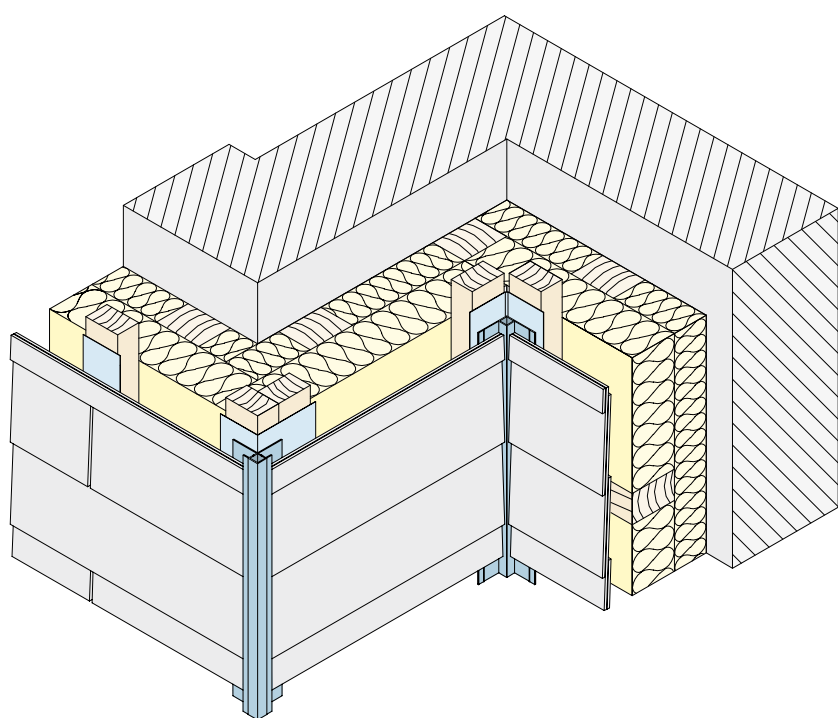
**Lengths:** 300 cm  
**Packaging:** 10 pieces per package

Profile particularly suitable as an accessory for natural slate panels.



## EDGE FORMATION

### CORNER PROFILES WITH COVERED CUTTING EDGES



Corner profiles are used for facade design. They fully cover and protect the cutting edges of the facade boards and thus form a clean, precise edge.

The guidelines of board and substructure manufacturers as well as all applicable requirements, standards and directives must be taken into consideration and observed when selecting and installing the corner profiles.

# EDGE FORMATION

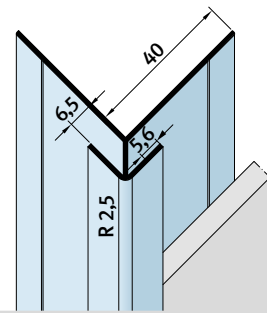
## CORNER PROFILES WITH COVERED CUTTING EDGES

### 9444 | 9445

Profile	Material	Colour number
9444	aluminium	natural
9445	aluminium	EV 1

**Lengths:** 300 cm  
**Packaging:** 10 pieces per package

Please see page 15 for application instructions.



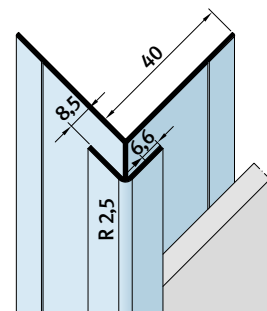
**NEW!**

### 9446 | 9447

Profile	Material	Colour number
9446	aluminium	natural
9447	aluminium	EV 1

**Lengths:** 300 cm  
**Packaging:** 10 pieces per package

Please see page 15 for application instructions.



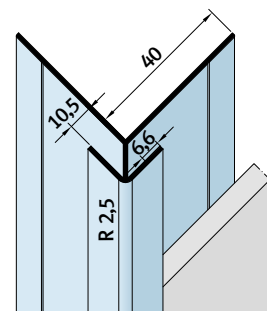
**NEW!**

### 9448 | 9449

Profile	Material	Colour number
9448	aluminium	natural
9449	aluminium	EV 1

**Lengths:** 300 cm  
**Packaging:** 10 pieces per package

Please see page 15 for application instructions.



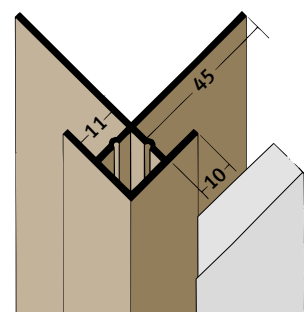
**NEW!**

### 3624

Profile	Material	Colour number
3624	hard PVC	10, 33, 47, 90


**Lengths:** 250 cm, 300 cm  
**Packaging:** 10 pieces per package

Please see pages 13 and 48 for accessories and page 15 for application instructions.



# EDGE FORMATION

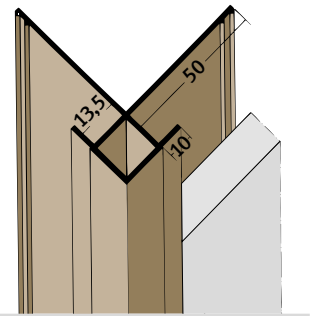
## CORNER PROFILES WITH COVERED CUTTING EDGES


**3504** 

Profile	Material	Colour number
3504	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm, 300 cm, 500 cm  
**Packaging:** 10 pieces per package

Please see pages 13 and 48 for accessories and page 15 for application instructions.

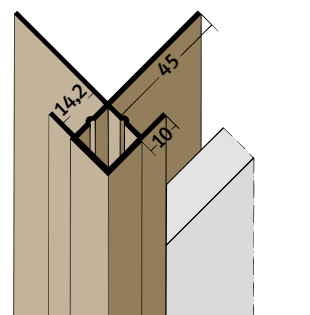



**3549** 

Profile	Material	Colour number
3549	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm, 300 cm, 500 cm  
**Packaging:** 10 pieces per package

Please see pages 13 and 48 for accessories and page 15 for application instructions.

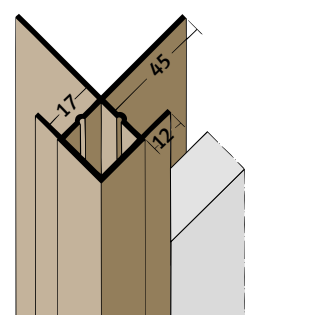



**3555** 

Profile	Material	Colour number
3555	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm, 300 cm, 500 cm  
**Packaging:** 10 pieces per package

Please see pages 13 and 48 for accessories and page 15 for application instructions.

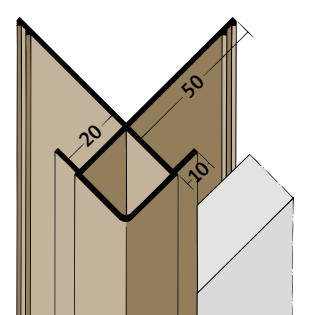



**3501** 

Profile	Material	Colour number
3501	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm, 300 cm, 500 cm  
**Packaging:** 10 pieces per package

Please see page 13 for accessories and page 15 for application instructions.

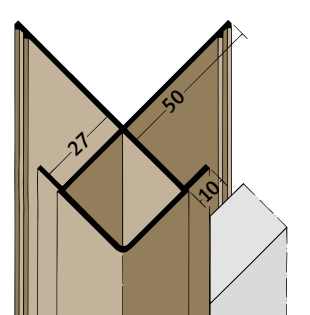


**3590** 

Profile	Material	Colour number
3590	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm, 300 cm, 500 cm upon request  
**Packaging:** 6 pieces per package

Please see page 13 for accessories and page 15 for application instructions.



Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised

# EDGE FORMATION

## ACCESSORIES FOR CORNER PROFILES

### 3568

Profile	Material	Colour number
3568	hard PVC	10, 33, 47, 90

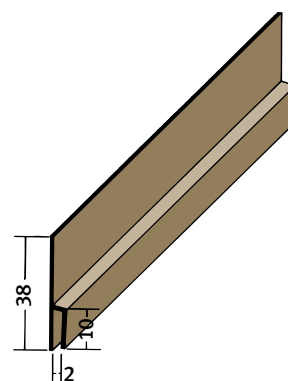
#### Application instructions for h-profile:

The h-profile 3568 protects the profile joints from penetrating water. Profile 3568 matches the following profiles:

3501, 3504, 3505, 3506, 3549, 3555, 3560, 3561, 3562, 3569, 3590, 3623, 3624, 3627, 3628, 3654, 3665, 3666, 3667, 3668, 3669, 3674

**Lengths:** 250 cm

**Packaging:** 20 pieces per package



### 3320 | 3321 | 3323 | 3324 | 3328 | 3329

Profile	Material	Colour number
3320	hard PVC	90
3321	hard PVC	90
3323	hard PVC	90
3324	hard PVC	90
3328	hard PVC	90
3329	hard PVC	90

#### Application instructions for insert profiles:

The insert profiles ensure a clean, precise connection at the profile joints. Please order the respective profiles separately. The profiles match as follows:

3320 for 3590;  
 3321 for 3501;  
 3323 for 3623;  
 3324 for 3624;  
 3328 for 3555, 3668;  
 3329 for 3504, 3505, 3506, 3549, 3654

**Lengths:** 250 cm

**Packaging:** 25 pieces per package



### 3330

Profile	Material	Colour number
3330	hard PVC	90

**Lengths:** 250 cm

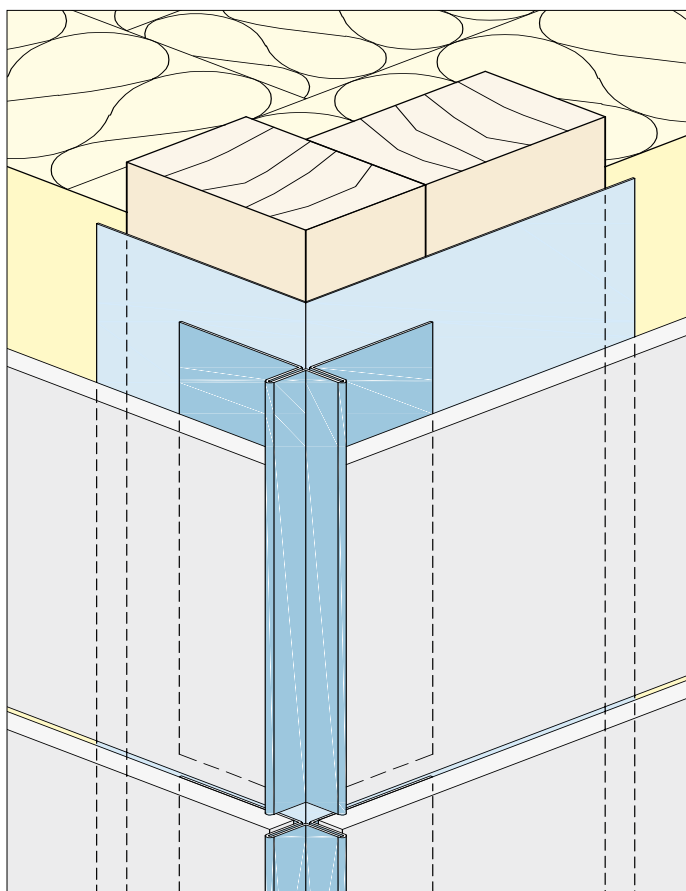
**Packaging:** 25 pieces per package

Insert profile 3330 matches the following profiles:  
 3668, 3669

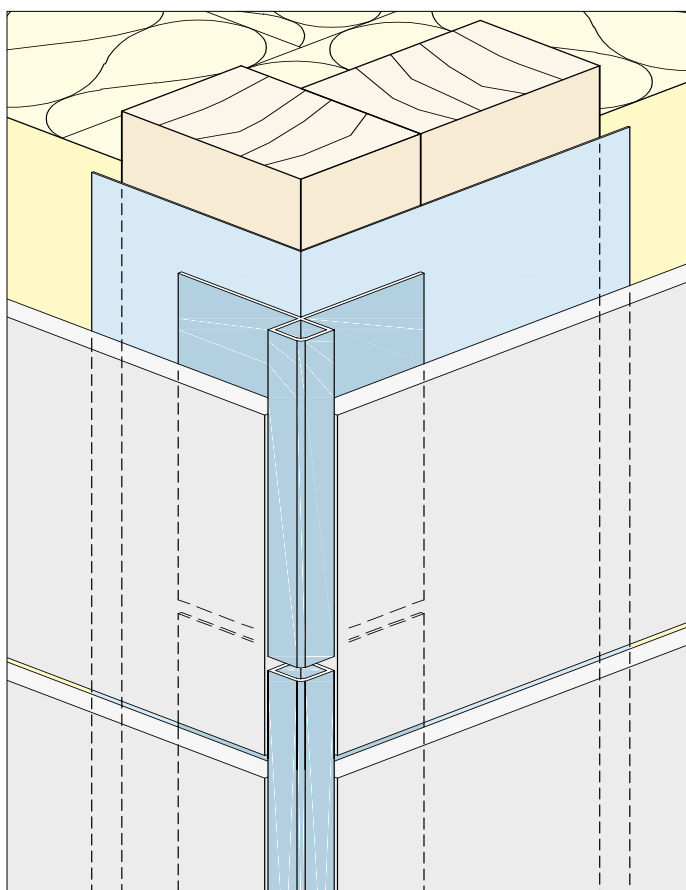


## EDGE FORMATION

### APPLICATION INSTRUCTIONS



When aluminium corner profiles are used, the vertical profile should may correspond with a joint of the facade cladding. The general use of joint tapes can prevent water from penetrating.

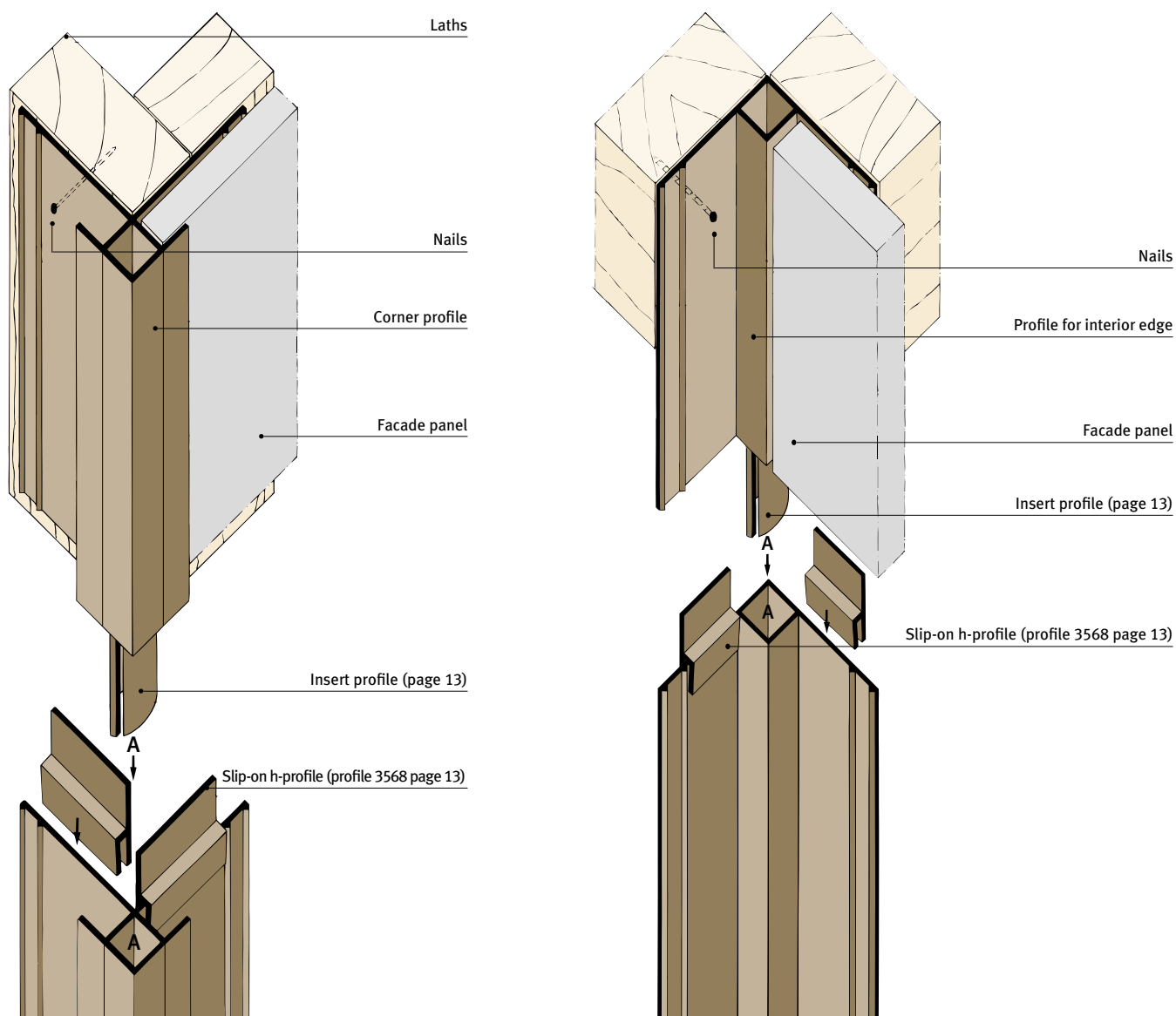


The vertical profile joints of the aluminium corner profiles can also be offset with the joint of the facade cladding. The general use of joint tapes can prevent water from penetrating.

Like most components of curtain walls, the facade profiles must not be constrained. Always allow for linear expansion in the profiles.

# EDGE FORMATION

## APPLICATION INSTRUCTIONS



The **h-profile 3568** protects the profile joints from penetrating water.

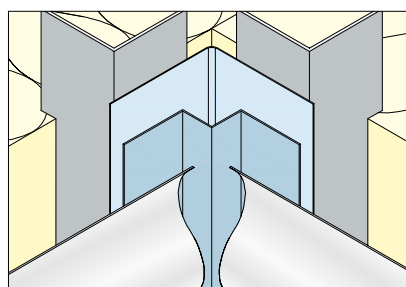
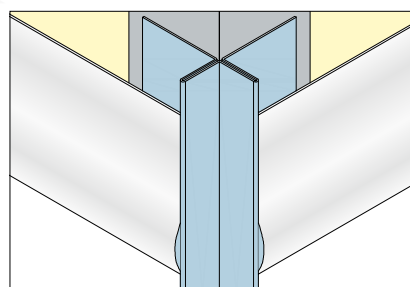
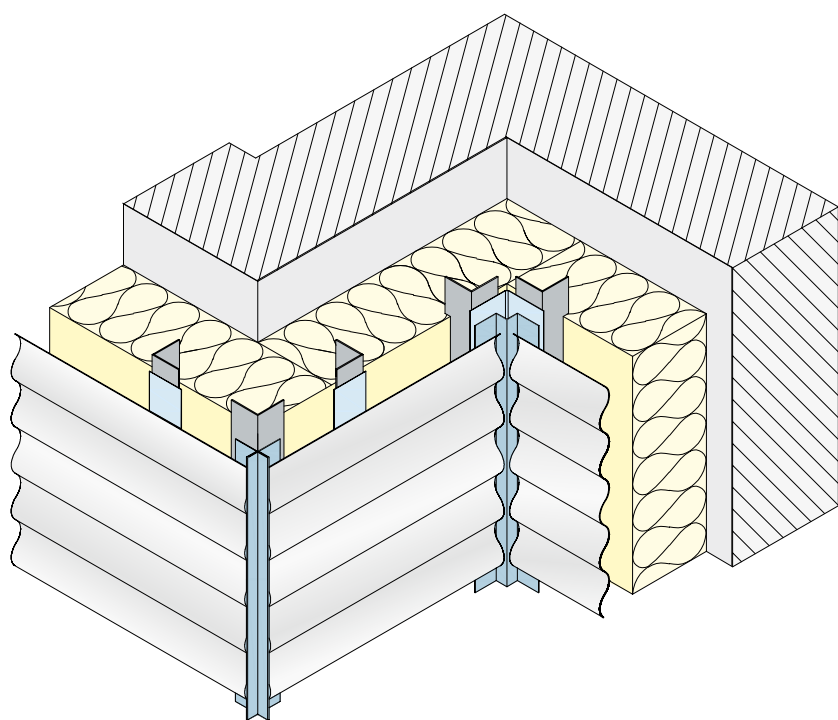
The **insert profiles** ensure a clean, precise connection at the profile joints.

Please order the respective profiles separately.

When cutting to length, a diagonal cut facilitates insertion of the pipe sections into the corner profile.

## EDGE FORMATION

### CORNER PROFILES FOR INSIDE CORNERS



Corner profiles for inside corners form a clean, precise facade cladding stop.

The guidelines of board and substructure manufacturers as well as all applicable requirements, standards and directives must be taken into consideration and observed when selecting and installing the corner profiles.



# EDGE FORMATION

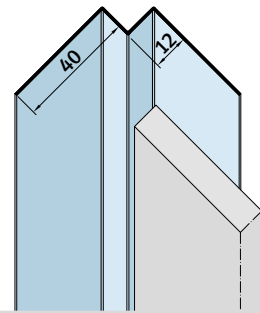
## CORNER PROFILES FOR INSIDE CORNERS

### 9432

Profile	Material	Colour number
9432	aluminium	natural

**Lengths:** 250 cm  
**Packaging:** 10 pieces per package

Please see page 18 for application instructions.



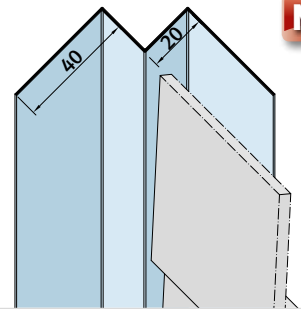
**NEW!**

### 9433

Profile	Material	Colour number
9433	aluminium	natural

**Lengths:** 250 cm  
**Packaging:** 10 pieces per package

Please see page 18 for application instructions.



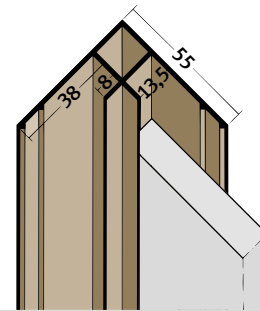
**NEW!**

### 3654

Profile	Material	Colour number
3654	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm, 300 cm  
**Packaging:** 10 pieces per package

Please see page 13 for accessories and page 15 for application instructions.

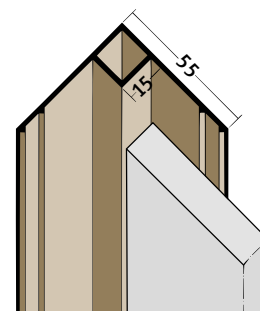


### 3505

Profile	Material	Colour number
3505	hard PVC	10, 33, 47, 90

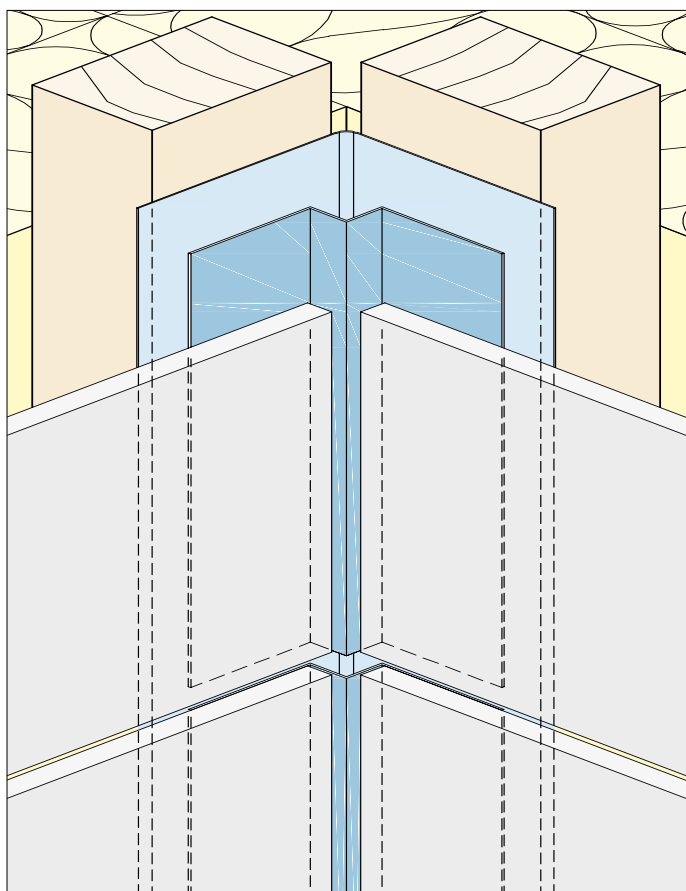
**Lengths:** 250 cm, 300 cm  
**Packaging:** 10 pieces per package

Please see page 13 for accessories and page 15 for application instructions.

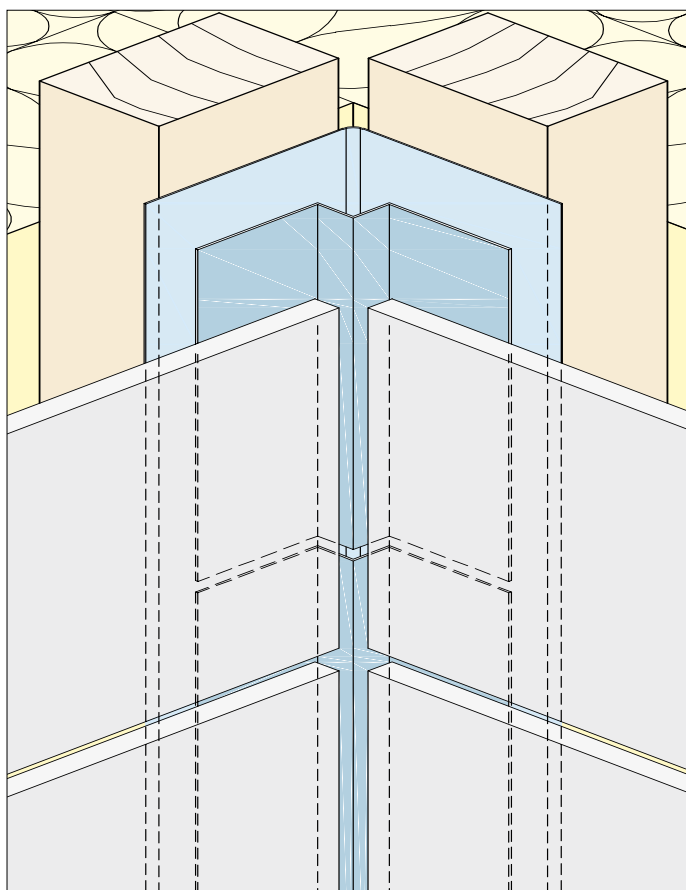


## EDGE FORMATION

### APPLICATION INSTRUCTIONS



When aluminium corner profiles are used, the vertical profile should may correspond with a joint of the facade cladding. The general use of joint tapes can prevent water from penetrating.



The vertical profile joints of the aluminium corner profiles can also be offset with the joint of the facade cladding. The general use of joint tapes can prevent water from penetrating.

Like most components of curtain walls, the facade profiles must not be constrained. Always allow for linear expansion in the profiles.

## JOINT STRUCTURE



Joint profiles (corrugated profile) vertical and horizontal

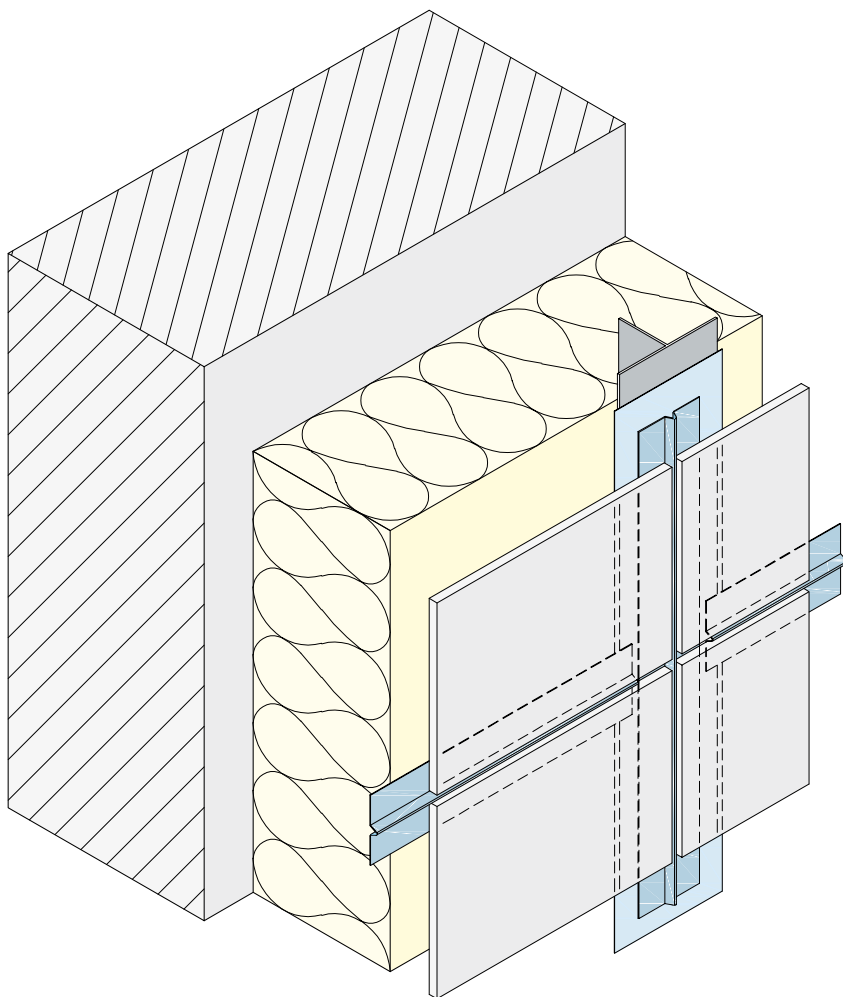
Joint profiles only horizontal

Joint profiles only vertical

Joint tapes

## JOINT STRUCTURE

### JOINT PROFILES (CORRUGATED PROFILE) VERTICAL AND HORIZONTAL



The aluminium joint profile or corrugated profile subtly depicts the joint whilst effectively closing it. The beading along the profile also centres and guides the facade cladding joint. The profiles are therefore available in widths of 6 mm and 9 mm for different joint widths. The corrugated profile may be used horizontally or vertically.

If used horizontally and if no horizontal substructure exists, the profile must be fastened on the rearside of the facade in a sliding manner. Fastening either by means of suitable adhesives or mechanically (screws, rivets etc.), depending on the requirements and distances of the vertical substructure. Please observe the guidelines of the facade cladding manufacturers for this practice.

When installing large facade slabs or boards, ensure that a joint remains as indicated by the slab or boards manufacturer.

# JOINT STRUCTURE

## JOINT PROFILES (CORRUGATED PROFILE) VERTICAL AND HORIZONTAL

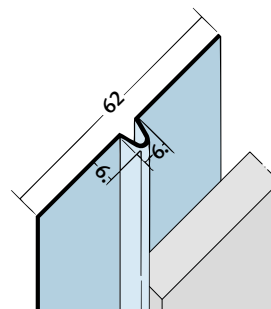
### 9042 | 9053

Profile	Material	Colour number
9042	aluminium	black (coated on both sides)
9053	aluminium	natural

**Lengths:** 250 cm

**Packaging:** 20 pieces per package

Can be used horizontally and vertically.



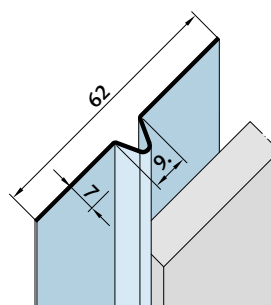
### 9054

Profile	Material	Colour number
9054	aluminium	black (coated on both sides)

**Lengths:** 250 cm

**Packaging:** 20 pieces per package

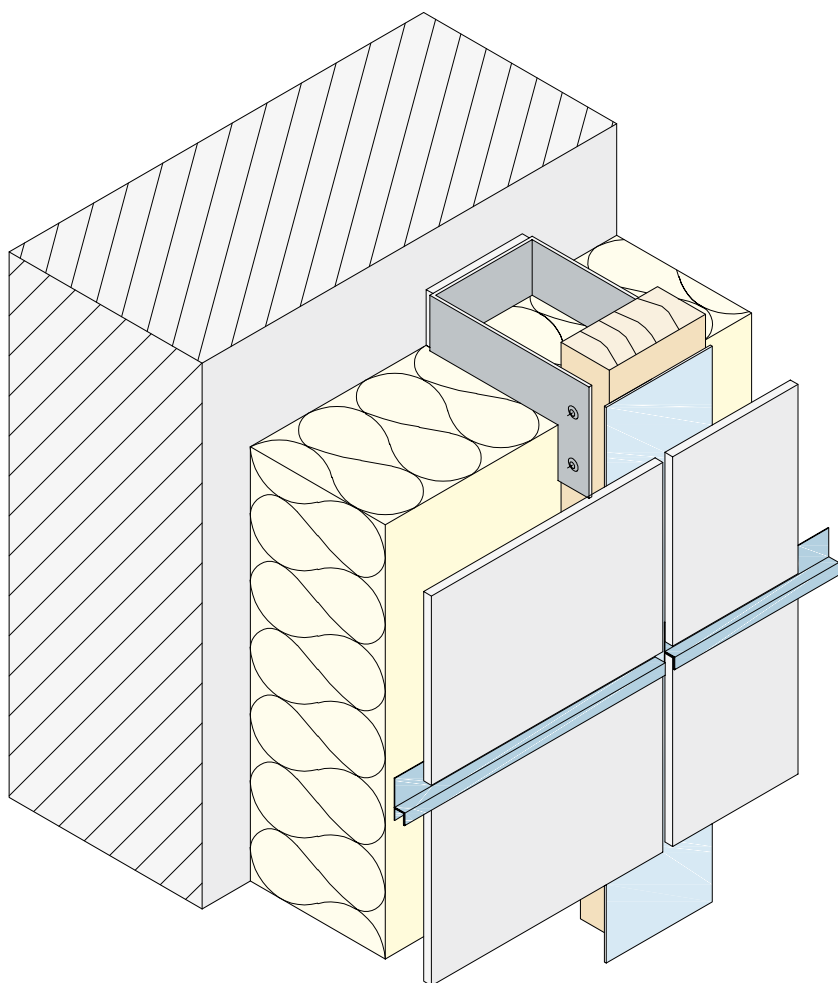
Can be used horizontally and vertically.



**NEW!**

## JOINT STRUCTURE

### JOINT PROFILES ONLY HORIZONTAL



The joint profiles or h-profiles made of aluminium or PVC are used for horizontal joints. They reduce the penetration of moisture.

Please ensure that the boards are not placed directly on the profile but that a joint of approx. 5 to 10 mm remains as indicated by the facade cladding manufacturer.

For the horizontal joint profiles, keep in mind that the profiles expand due to fluctuations in temperature (see the product information for the linear expansion of PVC and aluminium profiles).

Do not constrain the profiles and ensure that there is room for expansion.

Note: PVC joint profiles can only be used in white and for small facade boards.

The facade profiles should generally be shortened to the length or width of the installed board sizes.

# JOINT STRUCTURE

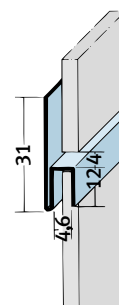
## JOINT PROFILES ONLY HORIZONTAL

### 9047 Joint h-profile

Profile	Material	Colour number
9047	aluminium	black (coated on both sides)

Lengths: 250 cm

Packaging: 20 pieces per package

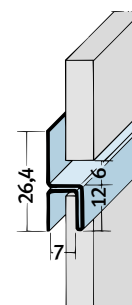


### 9048 | 9061 Joint h-profile

Profile	Material	Colour number
9048	aluminium	black (coated on both sides)
9061	aluminium	natural

Lengths: 250 cm

Packaging: 20 pieces per package

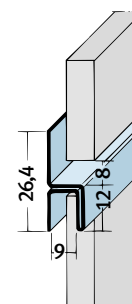


### 9049 | 9062 Joint h-profile

Profile	Material	Colour number
9049	aluminium	black (coated on both sides)
9062	aluminium	natural

Lengths: 250 cm

Packaging: 20 pieces per package

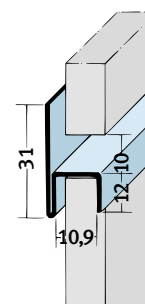


### 9050 Joint h-profile

Profile	Material	Colour number
9050	aluminium	black (coated on both sides)

Lengths: 250 cm

Packaging: 20 pieces per package

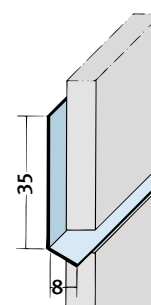


### 9092 Joint h-profile

Profile	Material	Colour number
9092	aluminium	natural

Lengths: 250 cm

Packaging: 20 pieces per package



Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised

# JOINT STRUCTURE

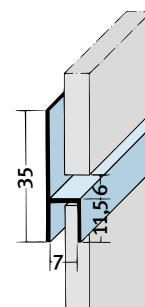
## JOINT PROFILES ONLY HORIZONTAL

### 9086 Joint h-profile

Profile	Material	Colour number
9086	aluminium	EV 1

Lengths: 250 cm

Packaging: 10 pieces per package

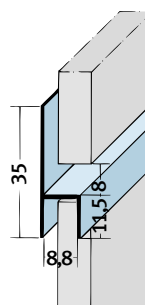


### 9087 Joint h-profile

Profile	Material	Colour number
9087	aluminium	EV 1

Lengths: 250 cm

Packaging: 10 pieces per package

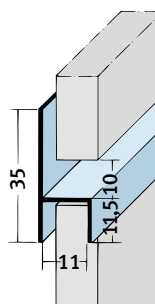


### 9088 Joint h-profile

Profile	Material	Colour number
9088	aluminium	EV 1

Lengths: 250 cm

Packaging: 10 pieces per package

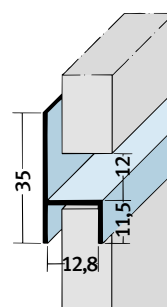


### 9089 Joint h-profile

Profile	Material	Colour number
9089	aluminium	EV 1

Lengths: 250 cm

Packaging: 10 pieces per package



Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised



# JOINT STRUCTURE

## JOINT PROFILES ONLY HORIZONTAL

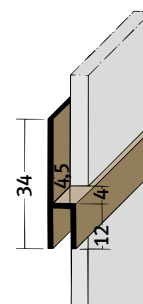
### 3533 Joint h-profile

Profile	Material	Colour number
3533	hard PVC	10

Lengths: 250 cm

Packaging: 20 pieces per package

Please read the product information on page 4 and 22.



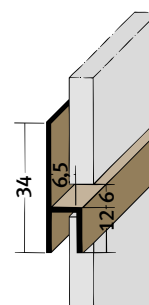
### 3534 Joint h-profile

Profile	Material	Colour number
3534	hard PVC	10

Lengths: 250 cm

Packaging: 20 pieces per package

Please read the product information on page 4 and 22.



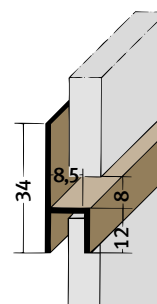
### 3535 Joint h-profile

Profile	Material	Colour number
3535	hard PVC	10

Lengths: 250 cm

Packaging: 20 pieces per package

Please read the product information on page 4 and 22.



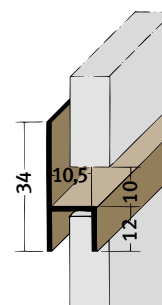
### 3536 Joint h-profile

Profile	Material	Colour number
3536	hard PVC	10

Lengths: 250 cm

Packaging: 20 pieces per package

Please read the product information on page 4 and 22.



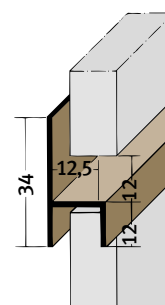
### 3537 Joint h-profile

Profile	Material	Colour number
3537	hard PVC	10

Lengths: 250 cm

Packaging: 20 pieces per package

Please read the product information on page 4 and 22.



Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised

# JOINT STRUCTURE

## JOINT PROFILES ONLY HORIZONTAL

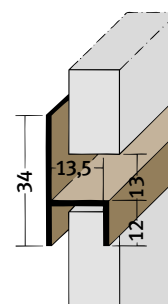
### 3539 Joint h-profile

Profile	Material	Colour number
3539	hard PVC	10

**Lengths:** 250 cm

**Packaging:** 20 pieces per package

Please read the product information on page 4 and 22.



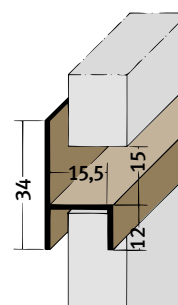
### 3538 Joint h-profile

Profile	Material	Colour number
3538	hard PVC	10

**Lengths:** 250 cm

**Packaging:** 20 pieces per package

Please read the product information on page 4 and 22.



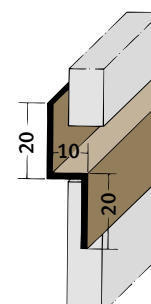
### 3585 z-profile

Profile	Material	Colour number
3585	hard PVC	90

**Lengths:** 250 cm

**Packaging:** 20 pieces per package

Please read the product information on page 4 and 22.



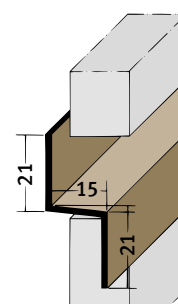
### 3567 z-profile

Profile	Material	Colour number
3567	hard PVC	90

**Lengths:** 250 cm

**Packaging:** 20 pieces per package

Please read the product information on page 4 and 22.



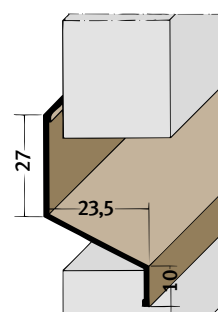
### 3554 z-profile

Profile	Material	Colour number
3554	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm

**Packaging:** 20 pieces per package

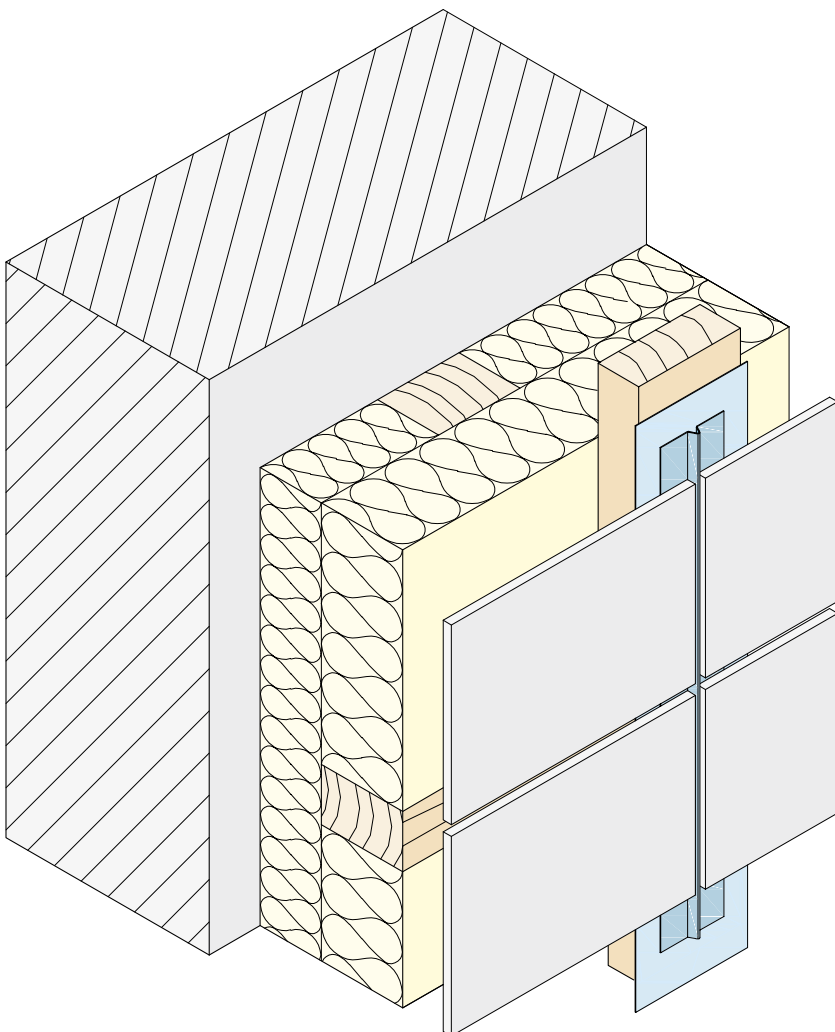
Please read the product information on page 4 and 22.



Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised

## JOINT STRUCTURE

### JOINT PROFILES ONLY VERTICAL



The joint profiles made of aluminium or PVC are used for vertical joints. Ensure that the facade cladding has room for expansion depending on the particular application. The aluminium joint profiles and top hat profiles can be installed on the front or the rearside of the facade cladding.

# JOINT STRUCTURE

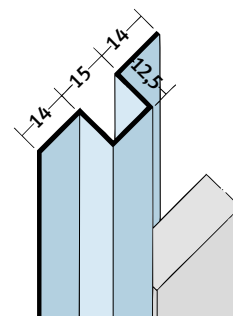
## JOINT PROFILES ONLY VERTICAL

### 9315 | 9311 Top hat profile

Profile	Material	Colour number
9315	aluminium	black (coated on both sides)
9311	aluminium	natural

**Lengths:** 250 cm  
**Packaging:** 20 pieces per package

Custom dimensions upon request, please see page 62, Custom solutions.

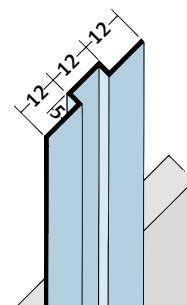


### 9091 Top hat profile

Profile	Material	Colour number
9091	aluminium	EV 1

**Lengths:** 250 cm  
**Packaging:** 10 pieces per package

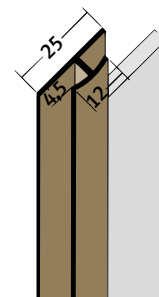
Custom dimensions upon request, please see page 62, Custom solutions.



### 3542

Profile	Material	Colour number
3542	hard PVC	10, 90

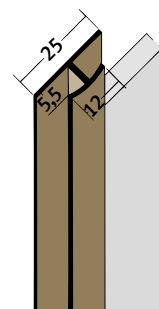
**Lengths:** 250 cm  
**Packaging:** 20 pieces per package



### 3577

Profile	Material	Colour number
3577	hard PVC	10, 47, 90

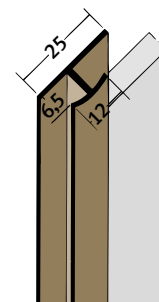
**Lengths:** 250 cm  
**Packaging:** 20 pieces per package



### 3557

Profile	Material	Colour number
3557	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm  
**Packaging:** 20 pieces per package



Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised

# JOINT STRUCTURE

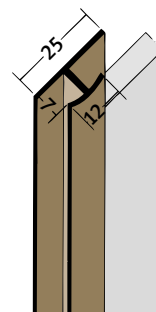
## JOINT PROFILES ONLY VERTICAL

### 3545



Profile	Material	Colour number
3545	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm  
**Packaging:** 20 pieces per package

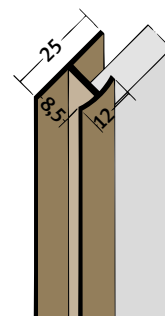


### 3546



Profile	Material	Colour number
3546	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm  
**Packaging:** 20 pieces per package

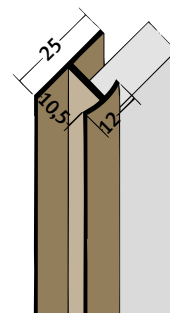


### 3547



Profile	Material	Colour number
3547	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm  
**Packaging:** 20 pieces per package

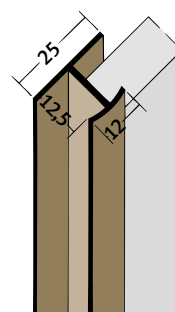


### 3548



Profile	Material	Colour number
3548	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm  
**Packaging:** 20 pieces per package

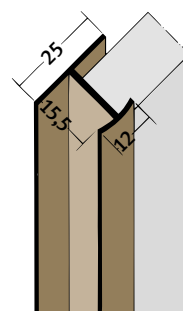


### 3583



Profile	Material	Colour number
3583	hard PVC	10

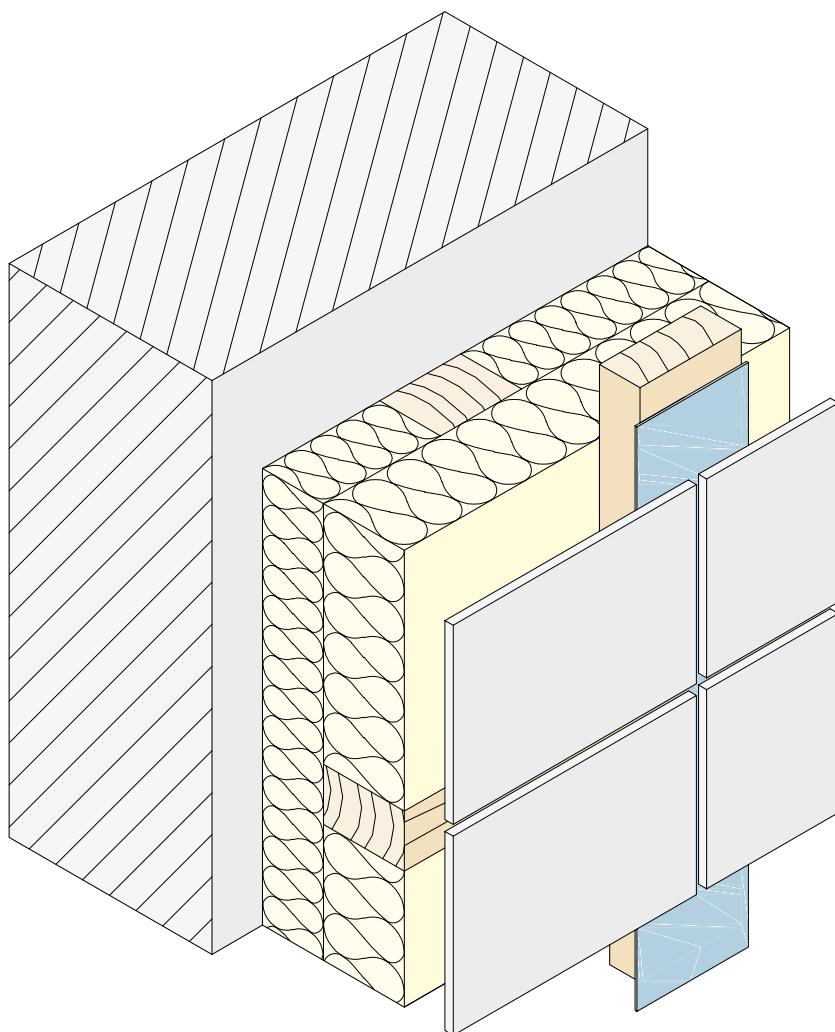
**Lengths:** 250 cm  
**Packaging:** 20 pieces per package



Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised

# JOINT STRUCTURE

## JOINT TAPES



The joint tapes can be used for vertical joints. They decouple the facade cladding and reduce noise transmission. They furthermore reduce water penetration and protect the substructure as well as the insulation from penetrating water. For wooden substructures, the joint tape must overlap at least 5 mm on each side of the substructure.

PROTEKTOR joint tapes are made from aging-resistant and weather-resistant EPDM or soft PVC.

The EPDM joint tapes significantly exceed the requirements of DIN 18516 Part 1 regarding temperature fluctuations and temperature limitations.

Installation of the substructure is facilitated by the EPDM joint tapes with an adhesive foil, which is applied on site. Note: The adhesive foil increases the material thickness by approx. 0.2 mm.

PROTEKTOR recommends using joint tapes on wooden and aluminium substructures.

# JOINT STRUCTURE

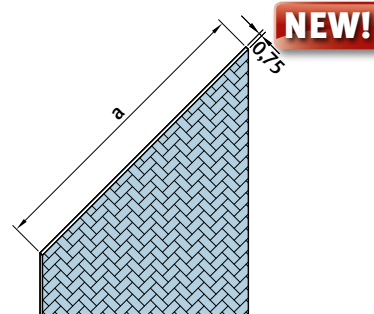
## JOINT TAPES

### 3310 | 3311

Profile	Material	Colour number	Dimension a
3310*	EPDM	black	70 mm
3311	EPDM	black	110 mm

**Lengths:** 25 m

**Packaging:** \*3 rolls per carton, 2 rolls per carton

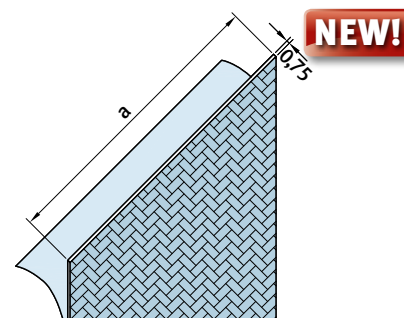


### 3312 / 3313

Profile	Material	Colour number	Dimension a
3312*	EPDM self-adhesives	black	70 mm
3313	EPDM self-adhesives	black	110 mm

**Lengths:** 25 m

**Packaging:** \*3 rolls per carton, 2 rolls per carton

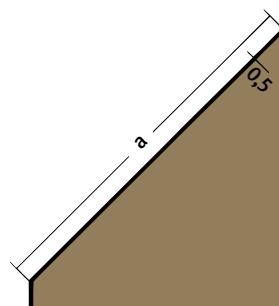


### 3326 | 3325 | 3335 | 3322

Profile	Material	Colour number	Dimension a
3326*	soft PVC	10, 90	36 mm
3325*	soft PVC	10, 90	60 mm
3335	soft PVC	10, 90	80 mm
3322	soft PVC	10, 90	100 mm

**Lengths:** 50 m

**Packaging:** \*2 rolls per carton, 1 roll per carton

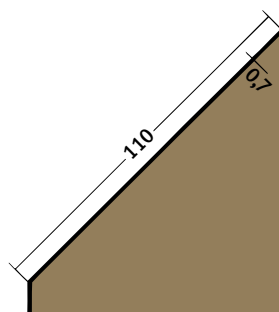


### 3336

Profile	Material	Colour number
3336	soft PVC	10, 90

**Lengths:** 50 m

**Packaging:** 1 roll per carton



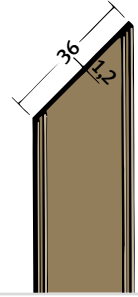
# JOINT STRUCTURE

## JOINT TAPES

### 3332

Profile	Material	Colour number
3332	soft PVC	10, 90

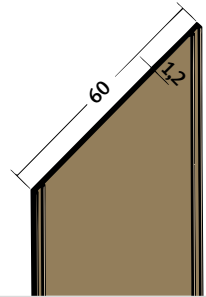
**Lengths:** 25 m  
**Packaging:** 2 rolls per carton



### 3333

Profile	Material	Colour number
3333	soft PVC	10, 90

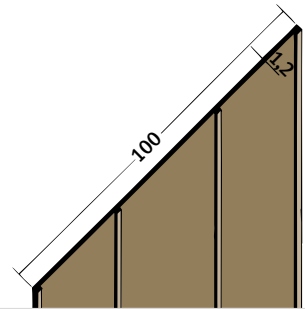
**Lengths:** 25 m  
**Packaging:** 2 rolls per carton



### 3334

Profile	Material	Colour number
3334	soft PVC	10, 90

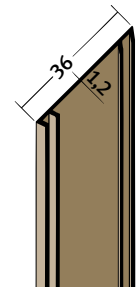
**Lengths:** 25 m  
**Packaging:** 1 roll per carton



### 3331

Profile	Material	Colour number
3331	soft PVC	10, 90

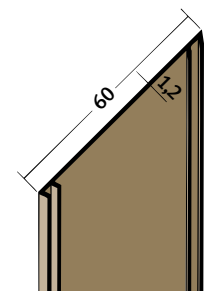
**Lengths:** 25 m  
**Packaging:** 2 rolls per carton



### 3327

Profile	Material	Colour number
3327	soft PVC	10, 90

**Lengths:** 25 m  
**Packaging:** 1 roll per carton



Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised



## CONNECTION STRUCTURE



[Connecting profiles with covered cutting edges](#)

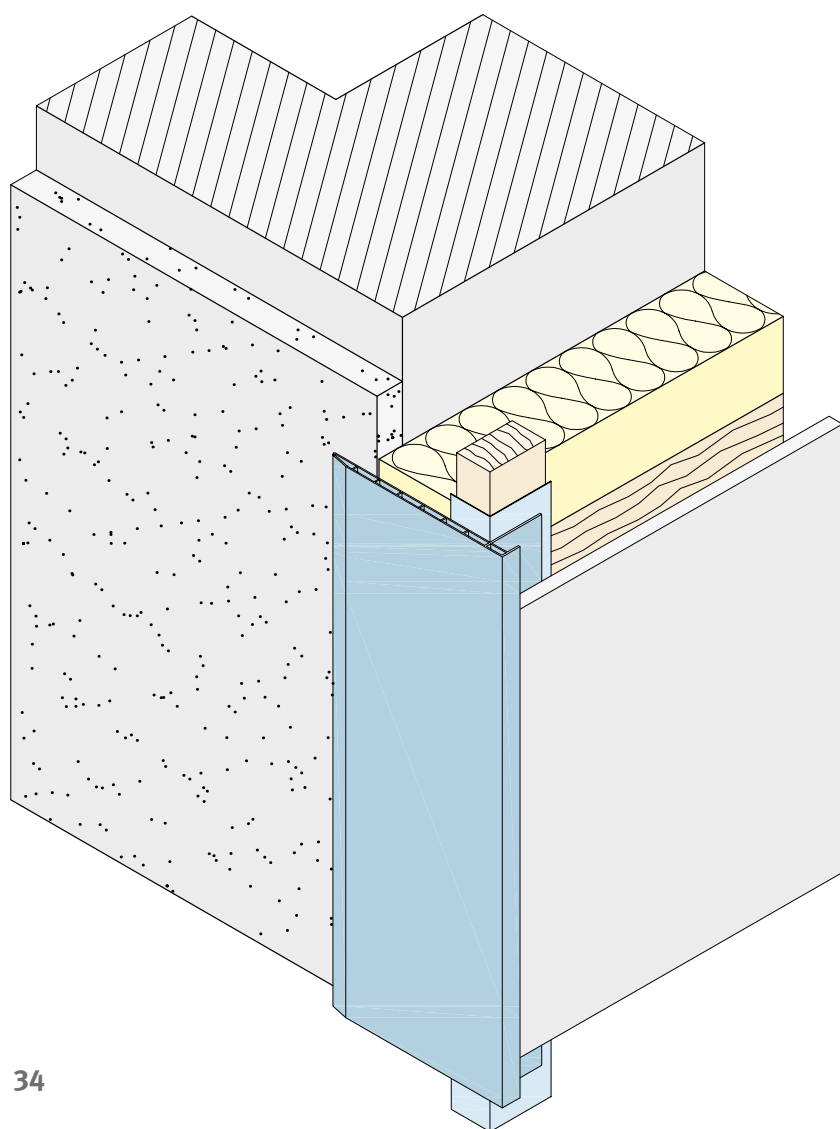
[Application instructions](#)

[Connecting profiles without covered cutting edges](#)

[Application instructions](#)

## CONNECTION STRUCTURE

### CONNECTING PROFILES WITH COVERED CUTTING EDGES



The connecting profiles connect the facade cladding and the different surfaces of the facade, such as the plaster, and thus facilitate a simple and precise transition. They fully cover and protect the cutting edges of the facade boards and cover the substructure on the side.

The connecting profiles may also be used as reveal profiles in facade openings.

# CONNECTION STRUCTURE

## CONNECTING PROFILES WITH COVERED CUTTING EDGES

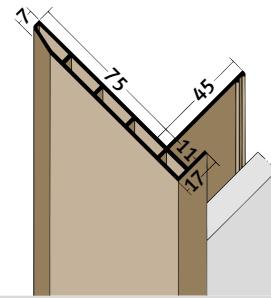
### 3627



Profile	Material	Colour number
3627	hard PVC	10, 33, 47, 90

**Lengths:** 300 cm  
**Packaging:** 6 pieces per package

The double-walled profile design ensures that the connection is sturdy. Please see page 13 for accessories and page 37 for application instructions.



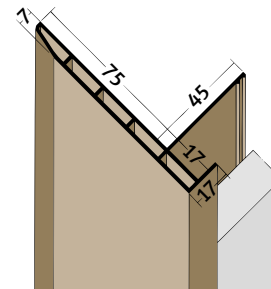
### 3628



Profile	Material	Colour number
3628	hard PVC	10, 33, 47, 90

**Lengths:** 300 cm  
**Packaging:** 6 pieces per package

The double-walled profile design ensures that the connection is sturdy. Please see page 13 for accessories and page 37 for application instructions.



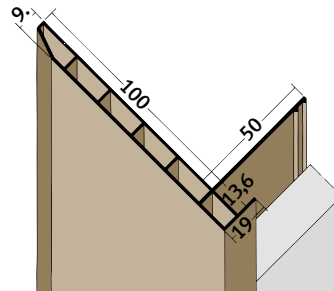
### 3669



Profile	Material	Colour number
3669	hard PVC	10, 33, 47, 90

**Lengths:** 300 cm  
**Packaging:** 6 pieces per package

The double-walled profile design ensures that the connection is sturdy. Please see page 13 for accessories and page 37 for application instructions.



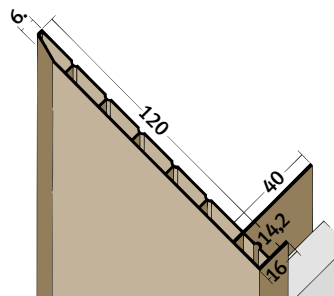
### 3667



Profile	Material	Colour number
3667	hard PVC	10, 33, 47, 90

**Lengths:** 300 cm  
**Packaging:** 6 pieces per package

The double-walled profile design ensures that the connection is sturdy. Please see page 13 for accessories and page 37 for application instructions.



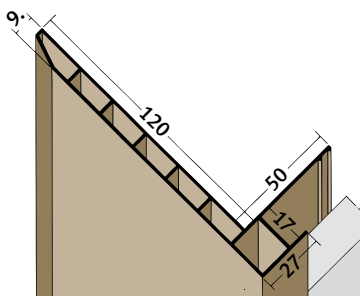
### 3668



Profile	Material	Colour number
3668	hard PVC	10, 33, 47, 90

**Lengths:** 300 cm  
**Packaging:** 6 pieces per package

The double-walled profile design ensures that the connection is sturdy. Please see page 13 for accessories and page 37 for application instructions.



Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised

# CONNECTION STRUCTURE

## CONNECTING PROFILES WITH COVERED CUTTING EDGES

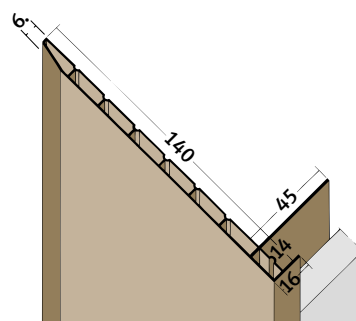
### 3665



Profile	Material	Colour number
3665	hard PVC	10, 33, 47, 90

**Lengths:** 300 cm  
**Packaging:** 6 pieces per package

The double-walled profile design ensures that the connection is sturdy. Please see page 13 for accessories and page 37 for application instructions.



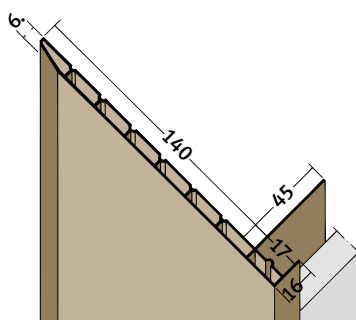
### 3666



Profile	Material	Colour number
3666	hard PVC	10, 33, 47, 90

**Lengths:** 300 cm  
**Packaging:** 6 pieces per package

The double-walled profile design ensures that the connection is sturdy. Please see page 13 for accessories and page 37 for application instructions.



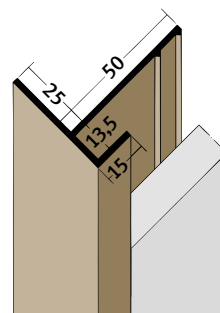
### 3560



Profile	Material	Colour number
3560	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm, 300 cm  
**Packaging:** 10 pieces per package

Please see page 13 for accessories and page 40 for application instructions.



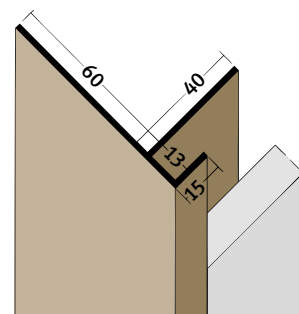
### 3561



Profile	Material	Colour number
3561	hard PVC	10, 33, 47, 90

**Lengths:** 300 cm  
**Packaging:** 10 pieces per package

Please see page 13 for accessories and page 40 for application instructions.



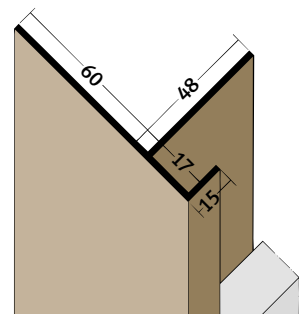
### 3562



Profile	Material	Colour number
3562	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm, 300 cm  
**Packaging:** 10 pieces per package

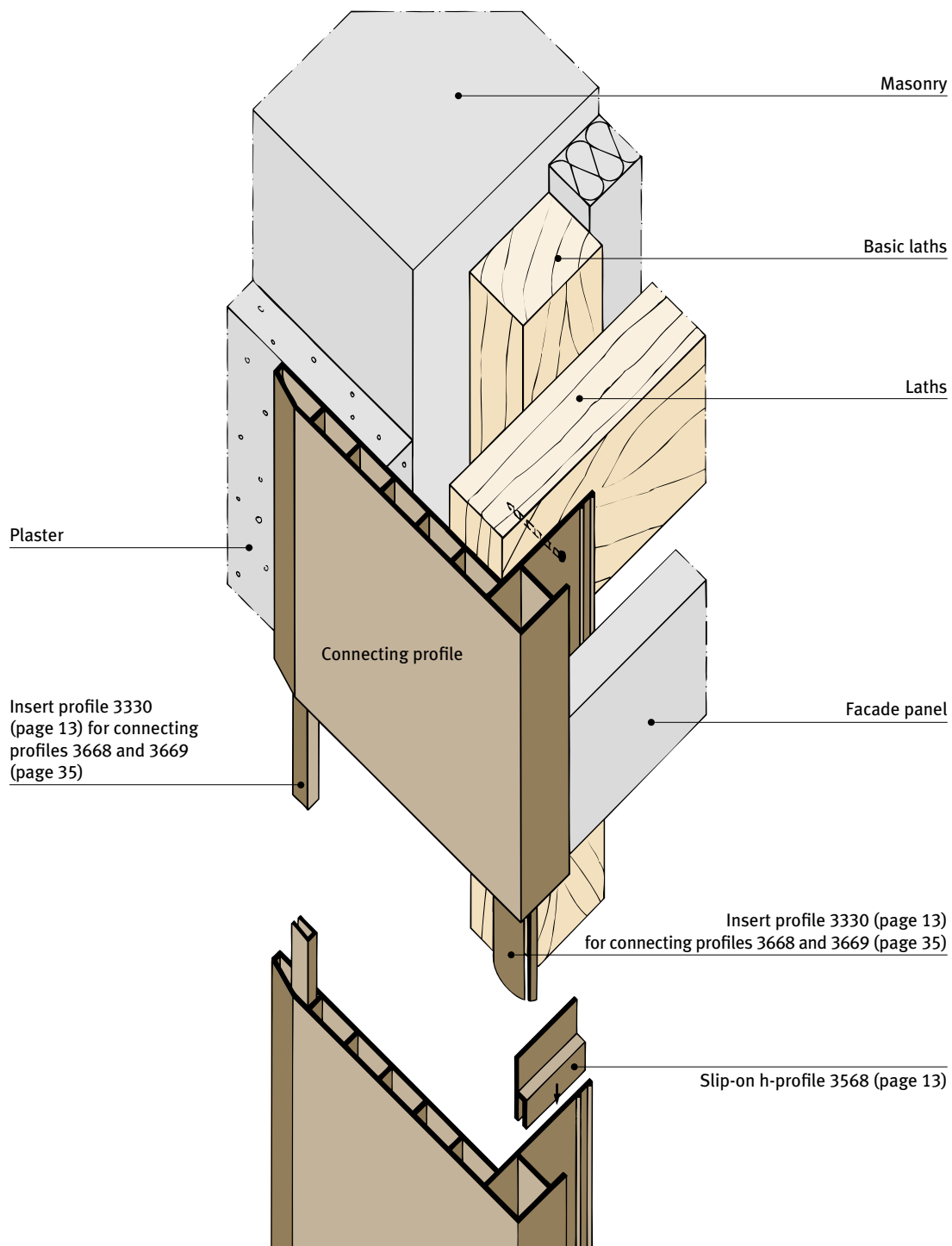
Please see page 13 for accessories and page 40 for application instructions.



Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised

# CONNECTION STRUCTURE

## APPLICATION INSTRUCTIONS

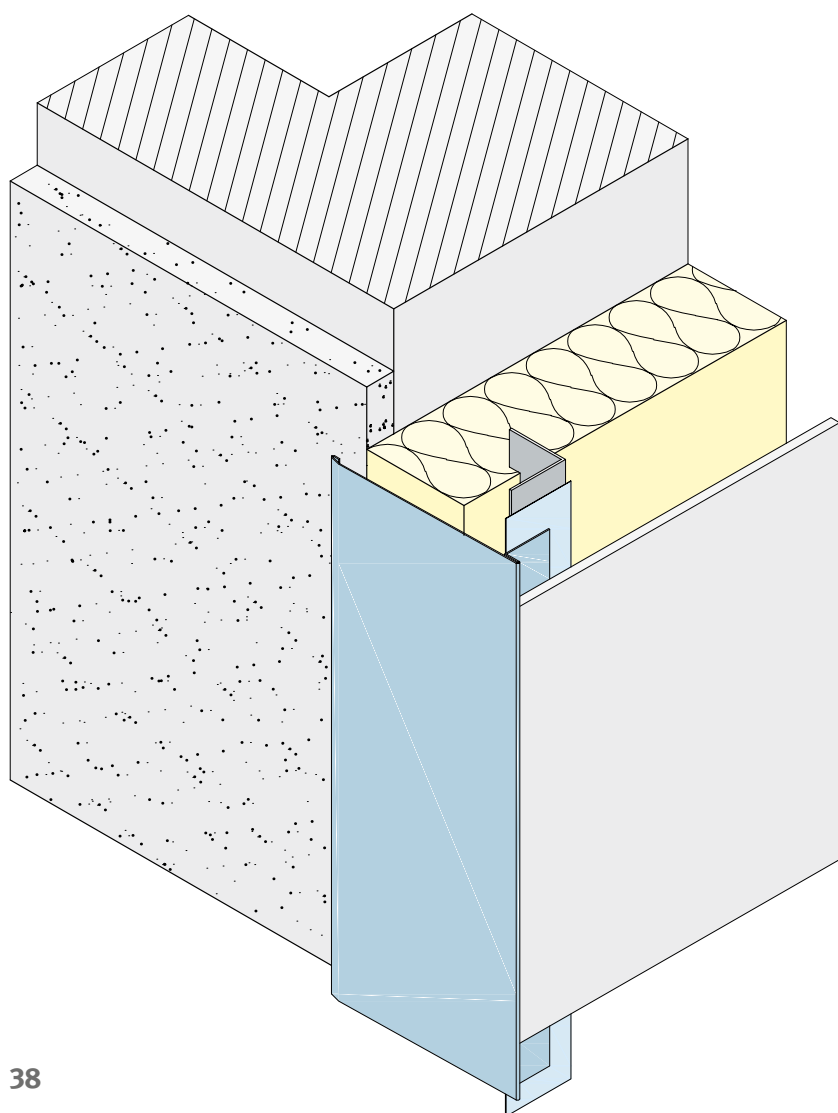


The **h-profile 3568** protects the profile joints from penetrating water.

The **insert profiles** ensure a clean connection at the profile joints. Please order the respective profiles separately. When cutting to length, a diagonal cut facilitates insertion of the pipe sections into the corner profile.

## CONNECTION STRUCTURE

### CONNECTING PROFILES WITHOUT COVERED CUTTING EDGES



The connecting profiles connect the facade cladding and the different surfaces of the facade, such as the plaster, and thus facilitate a simple and precise transition. They fully cover and protect the cutting edges of the facade boards and cover the substructure on the side.

The connecting profiles may also be used for connections to windows and doors.

# CONNECTION STRUCTURE

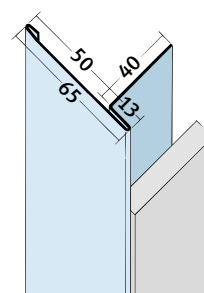
## CONNECTING PROFILES WITHOUT COVERED CUTTING EDGES

### 9093 | 9081

Profile	Material	Colour number
9093	aluminium	black (coated on both sides)
9081	aluminium	natural

**Lengths:** 250 cm  
**Packaging:** 10 pieces per package

Powder coating according to RAL COLOUR CODING possible upon request. Please see page 62, Custom solutions.

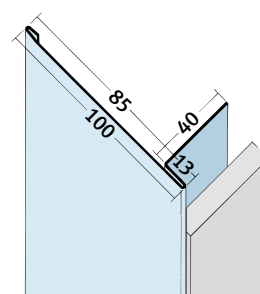


### 9094 | 9082

Profile	Material	Colour number
9094	aluminium	black (coated on both sides)
9082	aluminium	natural

**Lengths:** 250 cm  
**Packaging:** 10 pieces per package

Powder coating according to RAL COLOUR CODING possible upon request. Please see page 62, Custom solutions.

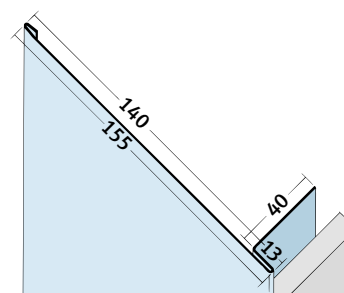


### 9084

Profile	Material	Colour number
9084	aluminium	natural

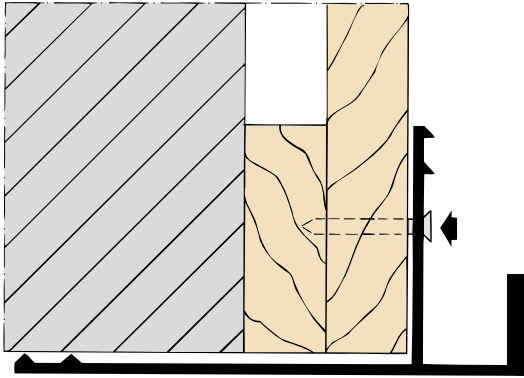
**Lengths:** 250 cm  
**Packaging:** 10 pieces per package

Powder coating according to RAL COLOUR CODING possible upon request. Please see page 62, Custom solutions.



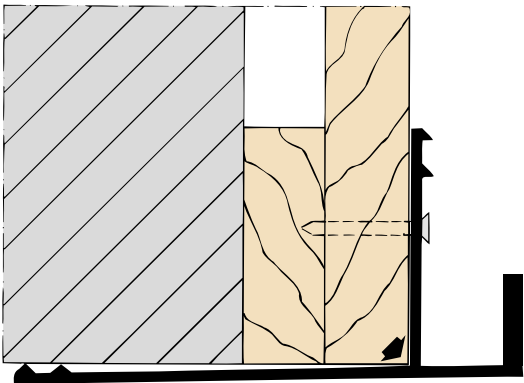
# CONNECTION STRUCTURE

## APPLICATION INSTRUCTIONS



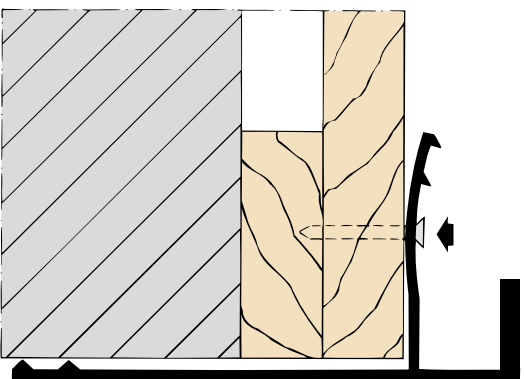
### CORRECT

Lightly place the profile in the corner and nail without applying pressure. This ensures that the nailed side does not press inward, which eliminates the risk of tension in the profile.



### INCORRECT

If the profile is pressed into the corner too tightly, it creates tension on the non-fastened part of the profile, which causes the profile to bend.



### INCORRECT

If the nail is driven in too deeply at the fastening point, tension is created and the profile starts to bend in direct sunlight.



# REVEAL FORMATION



Connecting profiles and profile edgings

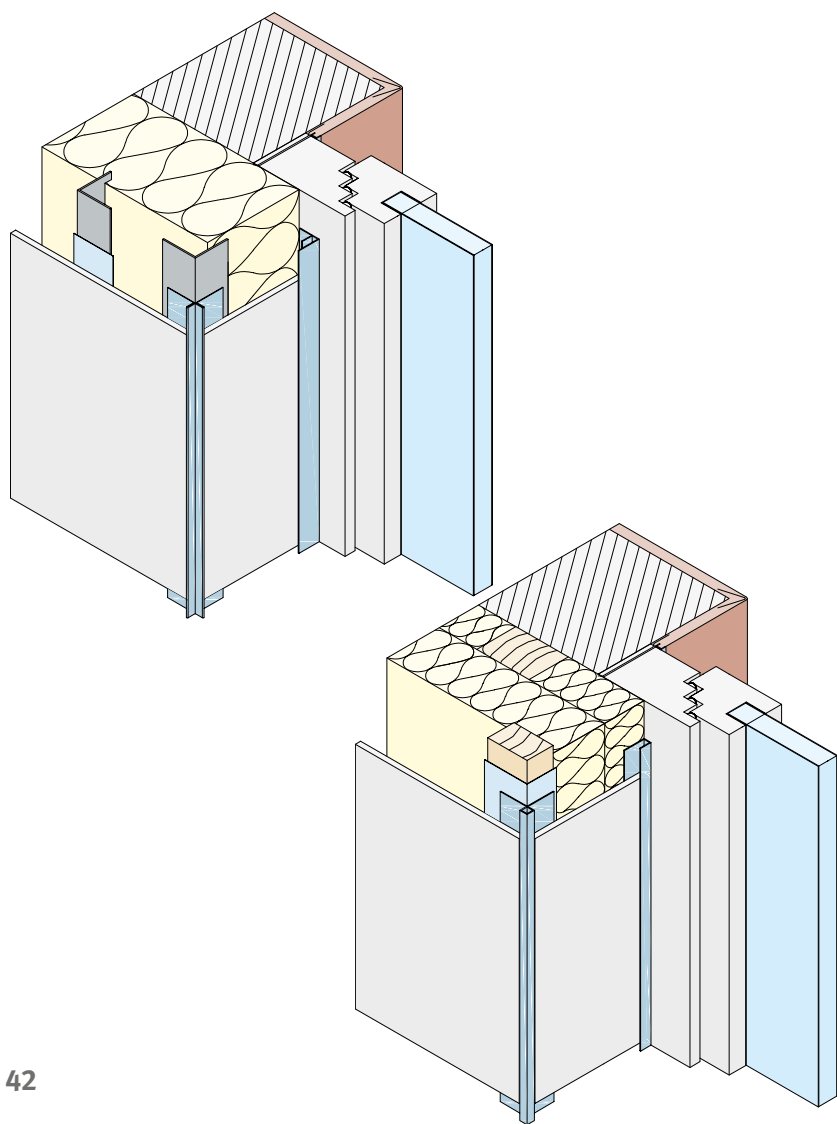
Box profiles

Rear-ventilated reveal system

Accessories

## REVEAL FORMATION

### CONNECTING PROFILES AND PROFILE EDGINGS



The reveal may be built in different ways. In practice, depending on what the planer/contractor/builder-owner prefers, the facade cladding is continued in the reveal or preexisting reveal systems are taken into account.

PROTEKTOR offers different systems or system components for these applications.

By means of f-profiles, the facade boards can be optimally attached in different locations, such as window and door reveals. Due to a covering of the cutting edges with the profiles, irregularities can easily be concealed and aligned.

By means of connecting profiles and profile edgings as well as u-profiles, the facade boards can be optimally attached in different locations, such as window and door reveals.

# REVEAL FORMATION

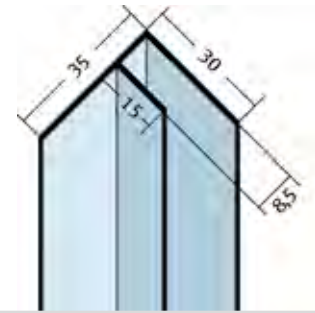
## CONNECTING PROFILES AND PROFILE EDGINGS

### 9085 f-profile

Profile	Material	Colour number
9085	aluminium	EV 1

Lengths: 300 cm

Packaging: 10 pieces per package

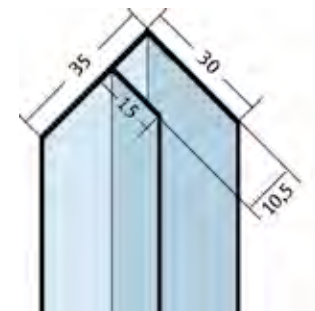


### 9090 f-profile

Profile	Material	Colour number
9090	aluminium	EV 1

Lengths: 300 cm

Packaging: 10 pieces per package

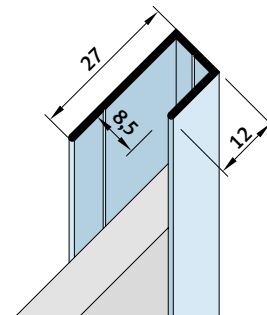


### 9450 u-profile

Profile	Material	Colour number
9450	aluminium	natural

Lengths: 300 cm

Packaging: 10 pieces per package



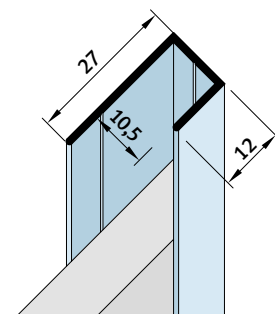
**NEW!**

### 9451 u-profile

Profile	Material	Colour number
9451	aluminium	natural

Lengths: 300 cm

Packaging: 10 pieces per package



**NEW!**

# REVEAL FORMATION

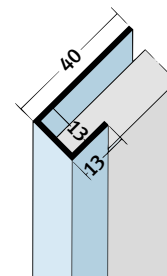
## CONNECTING PROFILES AND PROFILE EDGINGS

### 9407 u-profile

Profile	Material	Colour number
9407	aluminium	natural

Lengths: 250 cm

Packaging: 10 pieces per package

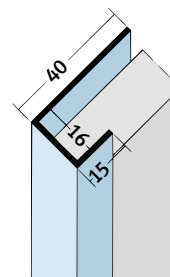


### 9408 u-profile

Profile	Material	Colour number
9408	aluminium	natural

Lengths: 250 cm

Packaging: 10 pieces per package

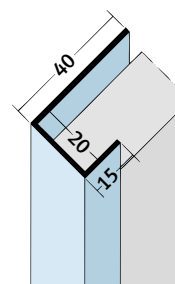


### 9409 u-profile

Profile	Material	Colour number
9409	aluminium	natural

Lengths: 250 cm

Packaging: 10 pieces per package

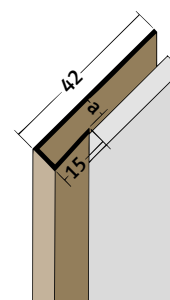


### 3691 | 3658 | 3563 | 3529 | 3502 | 3527

Profile	Material	Colour number	Dimension a
3691	hard PVC	10, 33, 47, 90	6,5 mm
3658	hard PVC	10, 33, 47, 90	9 mm
3563	hard PVC	10, 33, 47, 90	13 mm
3529	hard PVC	10, 33, 47, 90	17 mm
3502	hard PVC	10, 33, 47, 90	20 mm
3527	hard PVC	10, 33, 47, 90	27 mm

Lengths: 250 cm, 300 cm, 500 cm upon request

Packaging: 10 pieces per package

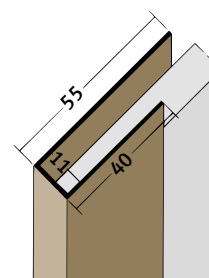


### 3609 u-profile

Profile	Material	Colour number
3609	hard PVC	10, 33, 47, 90

Lengths: 250 cm

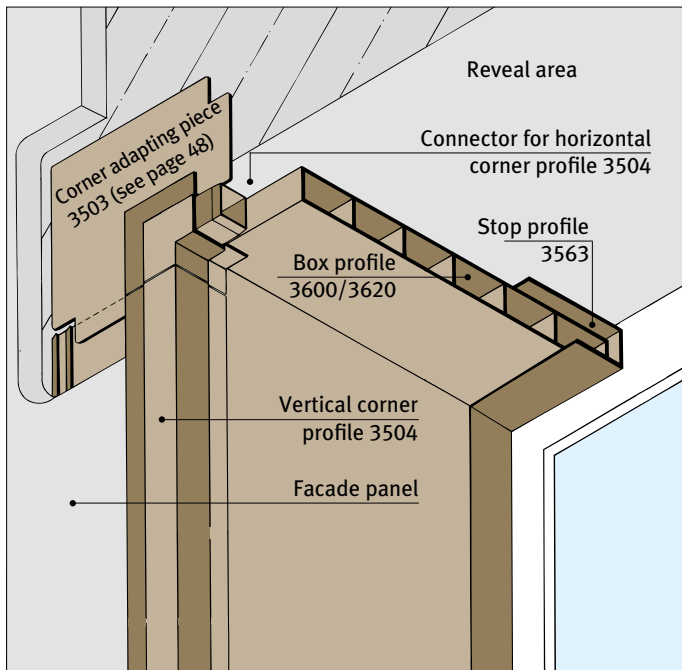
Packaging: 20 pieces per package



Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised

# REVEAL FORMATION

## BOX PROFILES



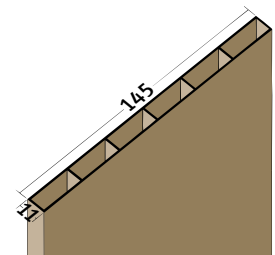
The box profiles allow for a quick and simple reveal construction. For low reveal depths, the profiles can be cut to the desired reveal depth by means of a saw. The stop profile 3563 may help even out and cover up irregularities.

### 3600

Profile	Material	Colour number
3600	hard PVC	10

**Lengths:** 250 cm, 300 cm

**Packaging:** 10 pieces per package

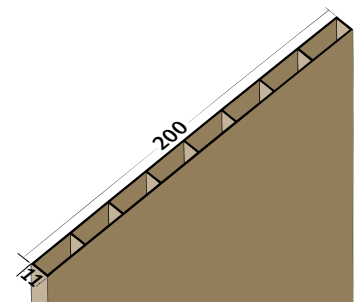


### 3620

Profile	Material	Colour number
3620	hard PVC	10

**Lengths:** 250 cm, 300 cm

**Packaging:** 10 pieces per package



# REVEAL FORMATION

## REAR-VENTILATED REVEAL SYSTEM

### 3570



Profile	Material	Colour number
3570	hard PVC	10

**Lengths:** 300 cm

**Packaging:** 10 pieces per package

### 3571



Profile	Material	Colour number
3571	hard PVC	10

**Lengths:** 300 cm

**Packaging:** 10 pieces per package

### 3572



Profile	Material	Colour number
3572	hard PVC	10

**Lengths:** 300 cm

**Packaging:** 10 pieces per package

### 3573 | 3576




Profile	Material	Colour number
3573	hard PVC	10
3576	hard PVC	10

**Lengths:** 300 cm

**Packaging:** 10 pieces per package

### 3580 | 3581



Profile	Material	Colour number
3580	hard PVC	10
3581	hard PVC	10

**Lengths:** 300 cm

**Packaging:** 10 pieces per package

### 3579



Profile	Material	Colour number
3579	hard PVC	10

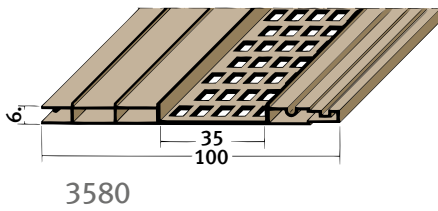
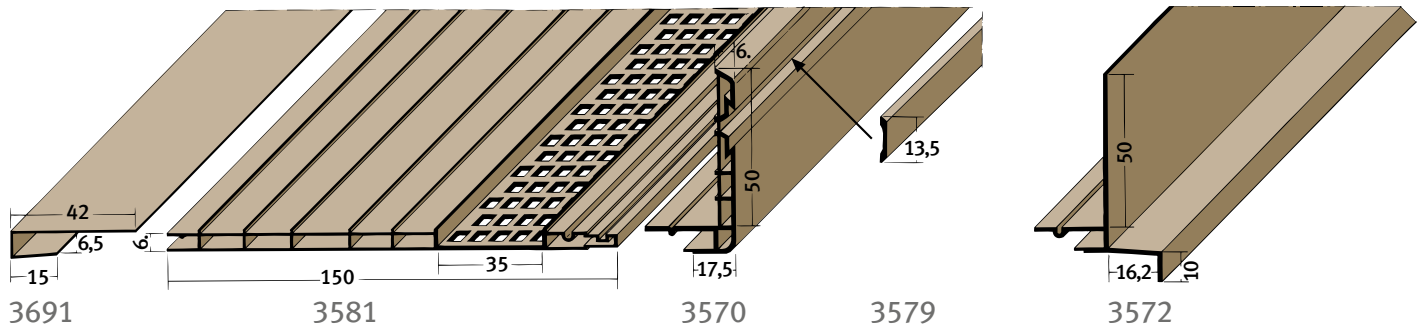
**Lengths:** 10 m roll

**Packaging:** 10 rolls per carton

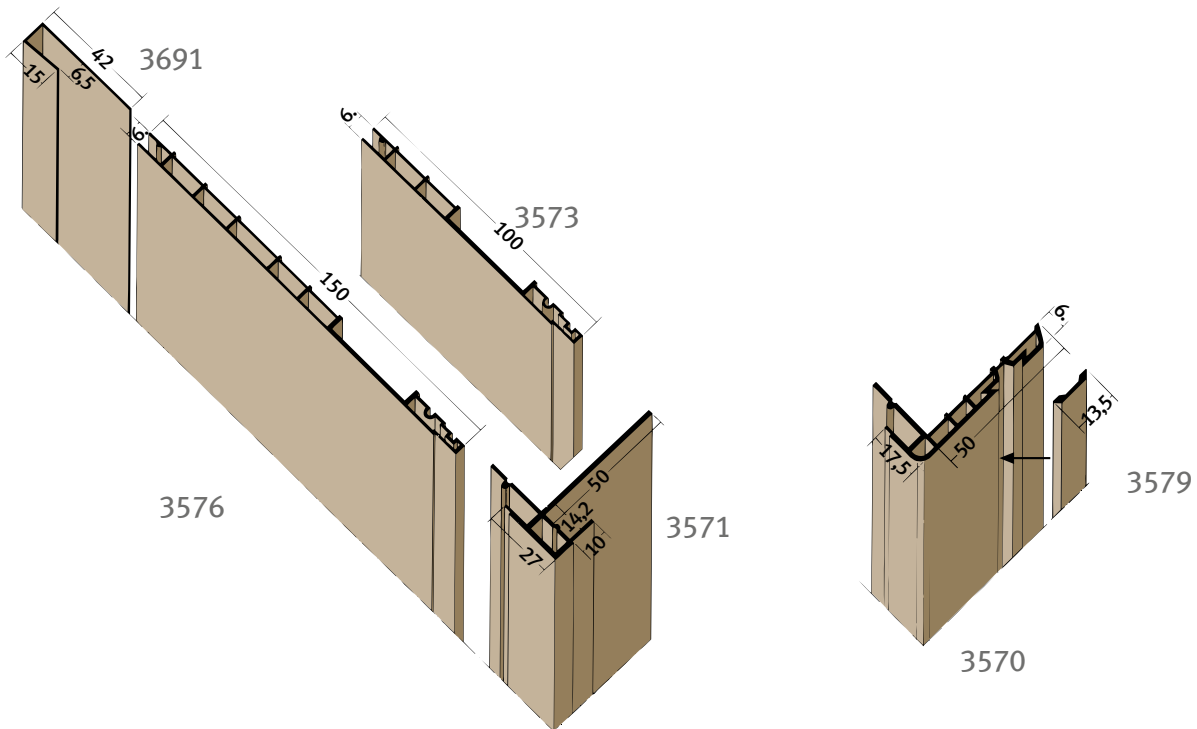
Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised

# REVEAL FORMATION

## REAR-VENTILATED REVEAL SYSTEM



The vertical reveal is formed by means of the reveal corner profile 3571 in combination with the different reveal profiles 3573 and 3576. The horizontal area is formed with the lintel corner profile 3572 and the lintel profiles 3580 and 3581. The perforated part in the lintel profiles 3580 and 3581 ensures that the facade is sufficiently rear-ventilated above the window area. To clad the reveal depth, the profiles with the relevant width are snapped together and cut to the appropriate dimensions with a saw. The reveal at the window is formed with the stop profile 3691. For the transition from horizontal to vertical profiles, the corner profiles 3571 and 3571 are placed as butt joints without mitre.



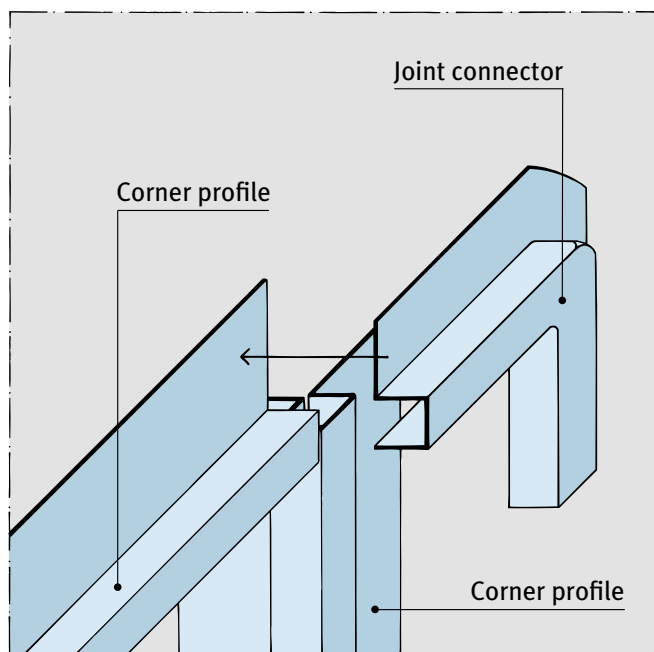
The reveal connection profile 3570 is used together with the reveal profiles 3573 and 3576 in different widths or with the lintel profiles 3580 and 3581 to form the reveal. The profiles are installed once the facade panels are in place. Profile 3570 has a recessed fastening groove that is closed with cover profile 3579 once the profile is installed. The cover profile must only be fastened by hand, through the groove.

To clad the complete reveal depth, the profiles of the relevant width are snapped together and cut to the appropriate dimensions with a saw. The reveal at the window is formed with the stop profile 3691. The perforated part in the lintel profiles 3580 and 3581 ensures that the facade is sufficiently rear-ventilated above the window area.

If the profile 3570 is used in the lintel area, an elastic sealant may be applied to the back of the profile to provide additional protection from rain.

# REVEAL FORMATION

## ACCESSORIES



The aluminium and PVC joint connectors in combination with the relevant corner profiles make mitre cutting unnecessary for the transition between horizontal and vertical profiles.

Once the corner profiles have been installed (see corner formation), the joint connectors are simply snapped on.

### 9404 | 9405 | 9406

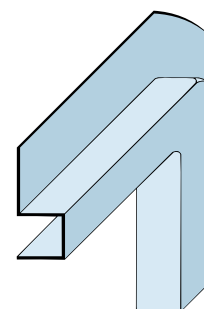
Profile	Material	Colour number
9404	aluminium	natural
9405	aluminium	natural
9406	aluminium	natural

9404 matches corner profile 9080 (see page 8)

9405 matches corner profile 9400 (see page 8)

9406 matches corner profile 9402 (see page 8)

**Packaging:** 50 pieces per carton



### 3634 | 3503 | 3575 | 3633 | 3509

Profile	Material	Colour number
3634	hard PVC	10, 33, 47, 90
3503	hard PVC	10, 33, 47, 90
3575	hard PVC	10, 33, 47, 90
3633	hard PVC	10, 33, 47, 90
3509	hard PVC	10, 33, 47, 90

3634 matches corner profile 3624 (see page 11)

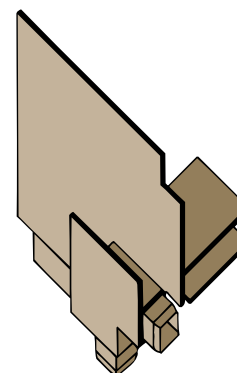
3503 matches corner profile 3504 und 3549 (see page 12)

3575 matches corner profile 3555 (see page 12)

3633 matches corner profile 3623 (see page 9)

3509 matches corner profile 3506 (see page 9)

**Packaging:** 50 pieces per carton



Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised



## ROOF AND FACADE VENTILATION



Ventilation angles

Ventilation strips

Eaves ventilation

Socket profiles / rain repelling profiles

Angle profiles

# ROOF AND FACADE VENTILATION



## General information about roof and facade ventilation

According to DIN 4108 Part 3 a minimum ventilation cross section of  $200 \text{ cm}^2/\text{metre}$  is required for an adequate roof ventilation for roof lengths up to 10 m.

According to DIN 18516 Part 1 the minimum cross section for the ventilation profile must be  $50 \text{ cm}^2/\text{metre}$  and at least  $200 \text{ cm}^2/\text{metre}$  for the rear ventilated area.

According to DIN 18516 Part 1, the openings in the base area for rear-ventilation of the exterior wall must be secured by ventilation grilles across a width of at least 20 mm.

The offset square perforation of the PROTEKTOR ventilation grilles ensures the highest possible percentage of holes. This improves ventilation up to approx. 20 % compared to most round or oval perforations.

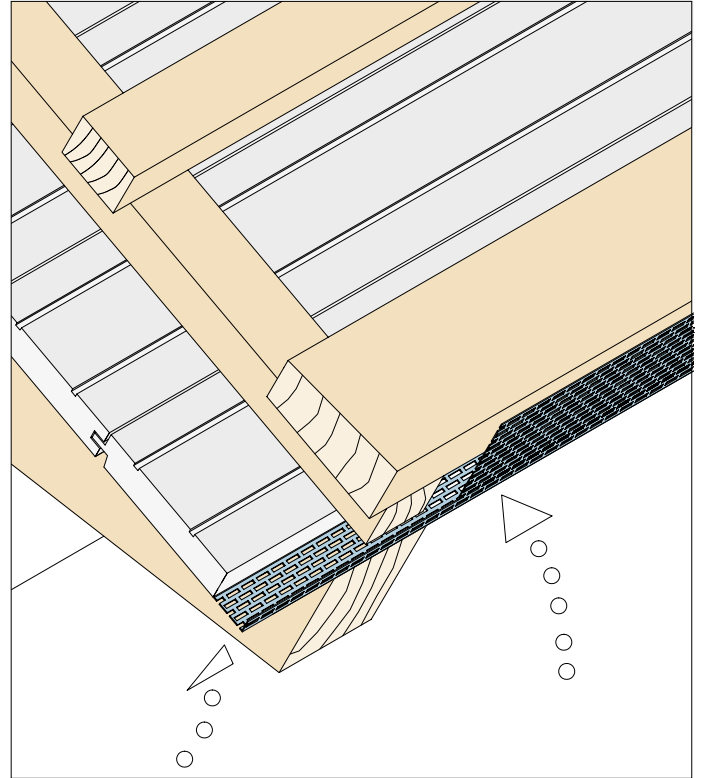
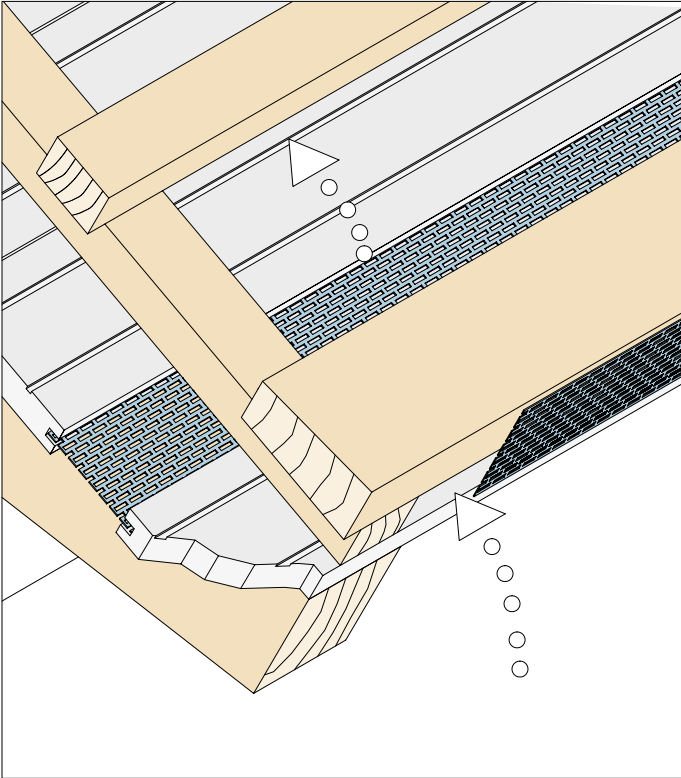
Optimal and effective ventilation and moisture transportation by means of diffusion or condensation is therefore safer in the roof or the rear-ventilated curtain wall. At the same time, this blocks the access of unwanted small animals to the ventilation level.

Please pay particular attention to the minimum ventilation cross-sections when selecting ventilation profiles. See the respective profile information for the ventilation cross-sections requirements. .

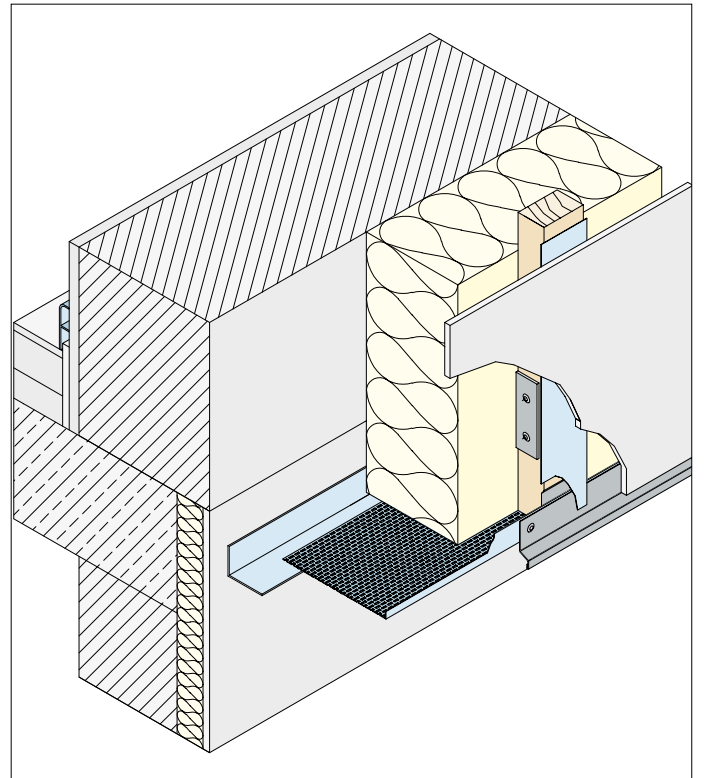
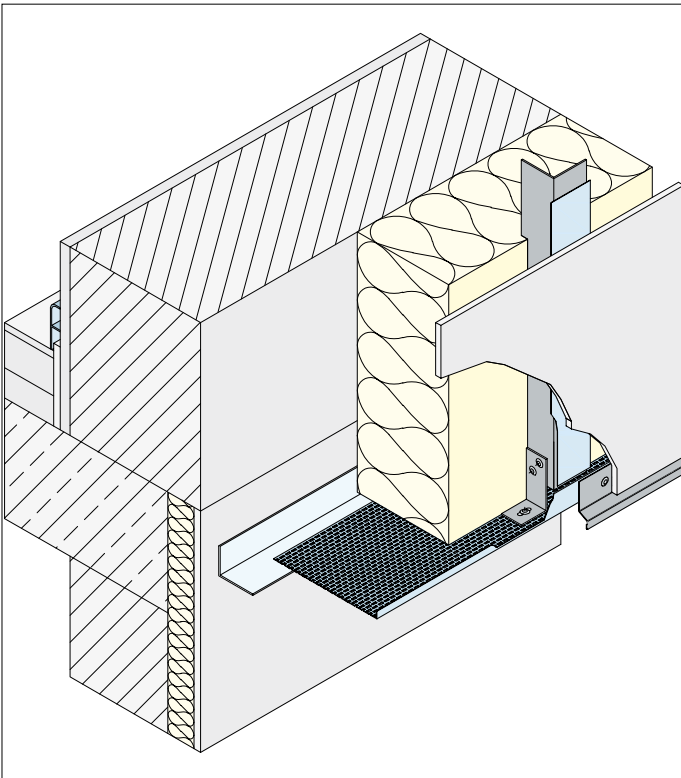
Ventilation profiles made of aluminium or PVC must be installed without constraint. It is therefore recommended that the profile is centred for fastening in the ventilation holes.

# ROOF AND FACADE VENTILATION

## ROOF VENTILATION

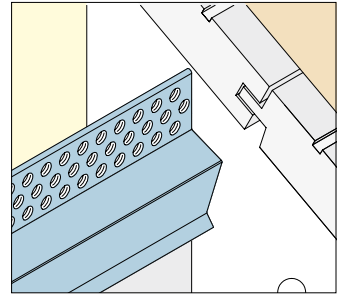
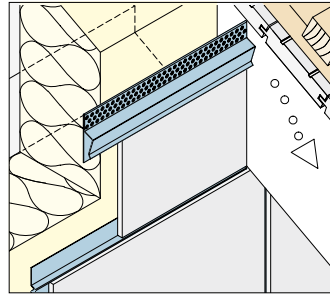
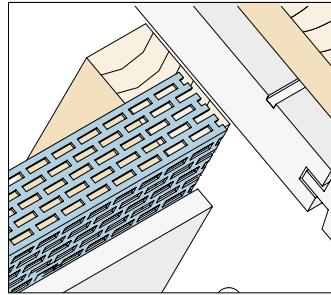
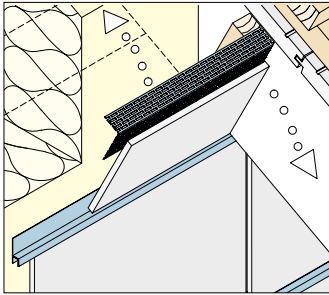
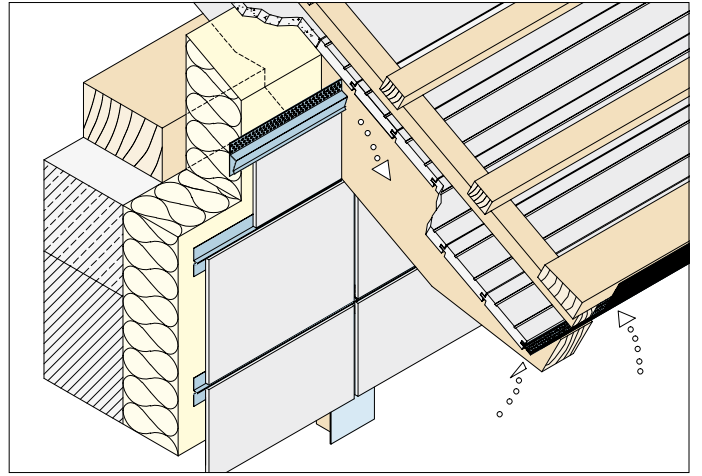
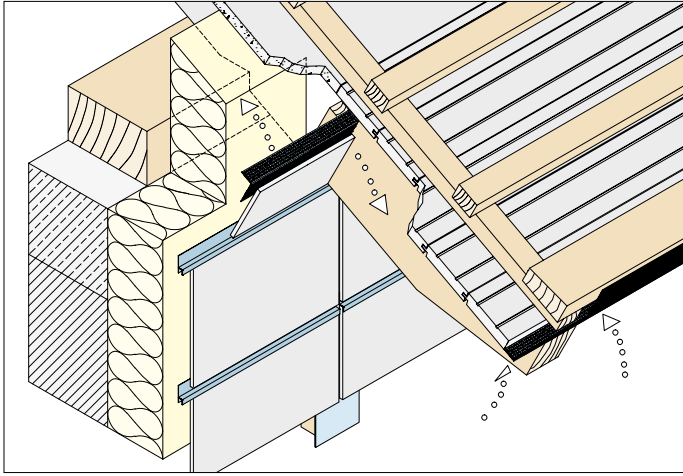


## SOCKET FORMATION

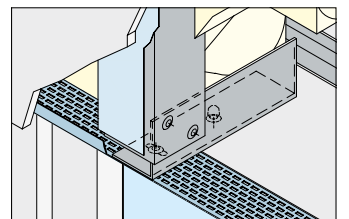
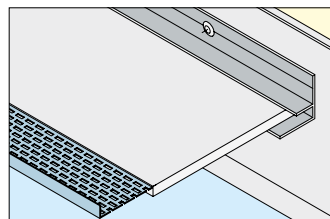
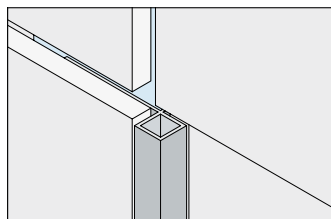
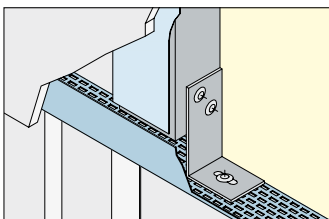
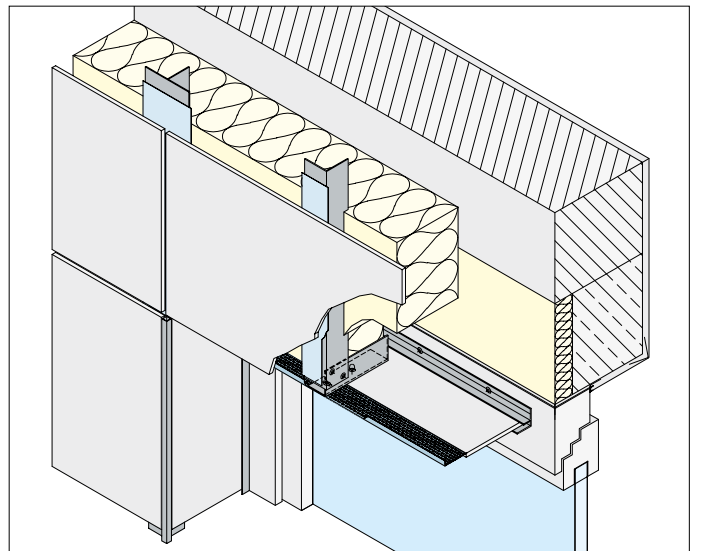
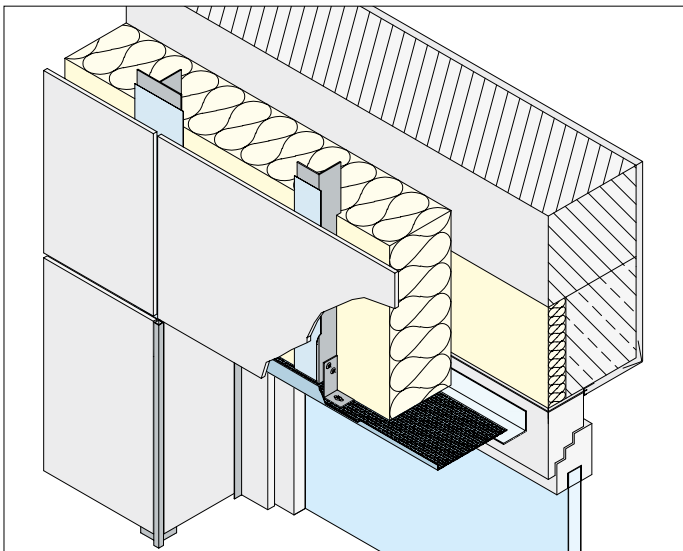


# ROOF AND FACADE VENTILATION

## FACADE CONNECTION



## BASE FORMATION



# ROOF AND FACADE VENTILATION

## VENTILATION ANGLES

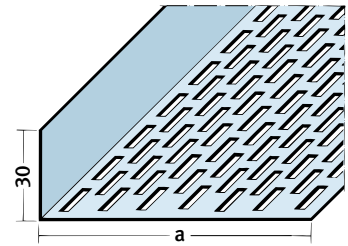
### 9330 | 9072 | 9306 | 9332 | 9334

Profile	Material	Colour number	Dimension a	Free ventilation cross-section
9330	aluminium	natural	60 mm	208 cm <sup>2</sup> /linear metre
9072*	aluminium	natural	70 mm	254 cm <sup>2</sup> /linear metre
9306*	aluminium	natural	90 mm	346 cm <sup>2</sup> /linear metre
9332	aluminium	natural	100 mm	393 cm <sup>2</sup> /linear metre
9334	aluminium	natural	120 mm	462 cm <sup>2</sup> /linear metre

**Lengths:** 250 cm

**Packaging:** 10 pieces per package, \*20 pieces per package

Powder coating according to RAL COLOUR CODING possible upon request. Please see page 62, Custom solutions.



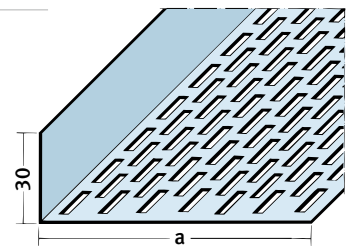
### 9331 | 9044 | 9333 | 9335

Profile	Material	Colour number	Dimension a	Free ventilation cross-section
9331	aluminium	black	60 mm	208 cm <sup>2</sup> /linear metre
9044*	aluminium	black	70 mm	254 cm <sup>2</sup> /linear metre
9333	aluminium	black	100 mm	393 cm <sup>2</sup> /linear metre
9335	aluminium	black	120 mm	462 cm <sup>2</sup> /linear metre

**Lengths:** 250 cm

**Packaging:** 10 pieces per package, \*20 pieces per package

Profile coated on both sides.



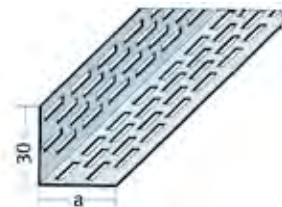
### 9309 | 9301 | 9071

Profile	Material	Colour number	Dimension a	Free ventilation cross-section
9309	aluminium	natural	30 mm	92/ 92 cm <sup>2</sup> /linear metre
9301	aluminium	natural	40 mm	92/ 139 cm <sup>2</sup> /linear metre
9071	aluminium	natural	50 mm	92/ 185 cm <sup>2</sup> /linear metre

**Lengths:** 250 cm

**Packaging:** 20 pieces per package

Powder coating according to RAL COLOUR CODING possible upon request. Please see page 62, Custom solutions.



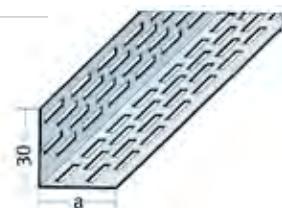
### 9300 | 9043

Profile	Material	Colour number	Dimension a	Free ventilation cross-section
9300	aluminium	black	40 mm	92/ 139 cm <sup>2</sup> /linear metre
9043	aluminium	black	50 mm	92/ 185 cm <sup>2</sup> /linear metre

**Lengths:** 250 cm

**Packaging:** 20 pieces per package

Profiles coated on both sides.



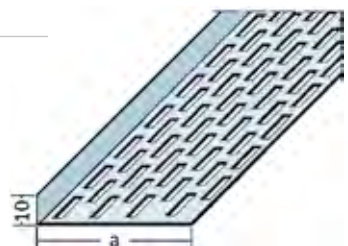
### 9312 | 9313 | 9314

Profile	Material	Colour number	Dimension a	Free ventilation cross-section
9312	aluminium	natural	50 mm	185 cm <sup>2</sup> /linear metre
9313	aluminium	natural	70 mm	254 cm <sup>2</sup> /linear metre
9314	aluminium	natural	90 mm	346 cm <sup>2</sup> /linear metre

**Lengths:** 250 cm

**Packaging:** 20 pieces per package

Powder coating according to RAL COLOUR CODING possible upon request. Please see page 62, Custom solutions.



Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised.

# ROOF AND FACADE VENTILATION

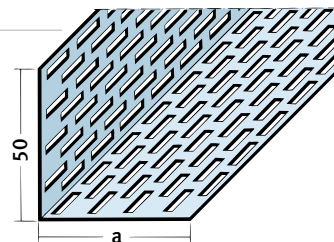
## VENTILATION ANGLES

### 9073 | 9302

Profile	Material	Colour number	Dimension a	Free ventilation cross-section
9073	aluminium	natural	50 mm	185 / 185 cm <sup>2</sup> /linear metre
9302	aluminium	natural	70 mm	185 / 255 cm <sup>2</sup> /linear metre

**Lengths:** 250 cm  
**Packaging:** 20 pieces per package

Powder coating according to RAL COLOUR CODING possible upon request. Please see page 62, Custom solutions.

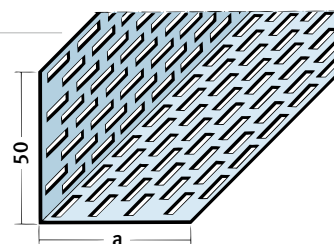


### 9046 | 9303

Profile	Material	Colour number	Dimension a	Free ventilation cross-section
9046	aluminium	black	50 mm	185 / 185 cm <sup>2</sup> /linear metre
9303	aluminium	black	70 mm	185 / 255 cm <sup>2</sup> /linear metre

**Lengths:** 250 cm  
**Packaging:** 20 pieces per package

Profiles coated on both sides.

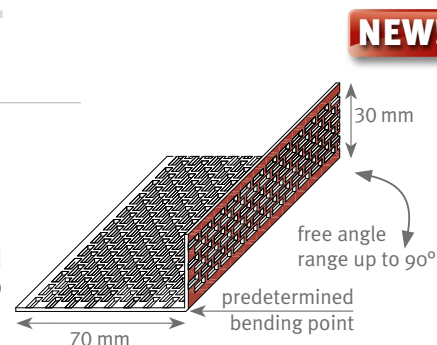


### 3695 Multiprofil 4 in 1

Profile	Material	Colour number	Width	Free ventilation cross-section
3695	hard PVC	10, 33	100 mm	134 / 358 cm <sup>2</sup> /linear metre
3695	hard PVC	47, 90	100 mm	134 / 358 cm <sup>2</sup> /linear metre

**Lengths:** 5 m  
**Packaging:** 12 rolls per carton

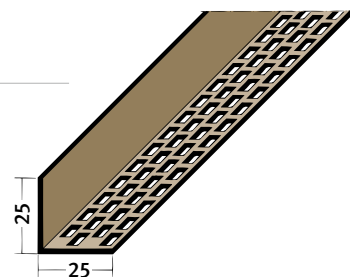
The Multi profile 4 in 1 can be used flexibly as a two-tone ventilation strip or ventilation angle.



### 3614

Profile	Material	Colour number	Free ventilation cross-section
3614	hard PVC	10, 33, 47, 90	112 cm <sup>2</sup> /linear metre

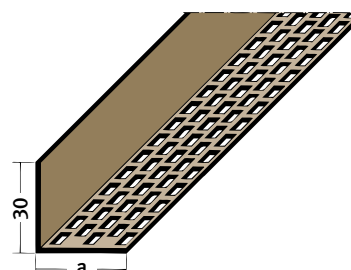
**Lengths:** 250 cm, 500 cm  
**Packaging:** 20 pieces per package



### 3612 | 3610 | 3611 | 3613 | 3617

Profile	Material	Colour number	Dimension a	Free ventilation cross-section
3612*	hard PVC	10, 33, 47, 90	30 mm	134 cm <sup>2</sup> /linear metre
3610*	hard PVC	10, 33, 47, 90	50 mm	246 cm <sup>2</sup> /linear metre
3611	hard PVC	10, 33, 47, 90	60 mm	291 cm <sup>2</sup> /linear metre
3613	hard PVC	10, 33, 47, 90	70 mm	358 cm <sup>2</sup> /linear metre
3617	hard PVC	10, 33, 47, 90	90 mm	470 cm <sup>2</sup> /linear metre

**Lengths:** 250 cm, 500 cm  
**Packaging:** 10 pieces per package, \*20 pieces per package



Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised

# ROOF AND FACADE VENTILATION

## VENTILATION STRIPS

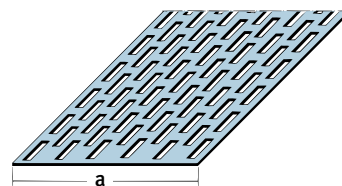
### 9320 | 9040 | 9322 | 9324 | 9095

Profile	Material	Colour number	Dimension a	Free ventilation cross-section
9320	aluminium	natural	50 mm	185 cm <sup>2</sup> /linear metre
9040	aluminium	natural	70 mm	254 cm <sup>2</sup> /linear metre
9322	aluminium	natural	80 mm	300 cm <sup>2</sup> /linear metre
9324	aluminium	natural	100 mm	393 cm <sup>2</sup> /linear metre
9095	aluminium	natural	120 mm	462 cm <sup>2</sup> /linear metre

Lengths: 250 cm

Packaging: 20 pieces per package

Powder coating according to RAL COLOUR CODING possible upon request. Please see page 62, Custom solutions.



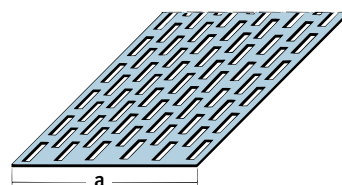
### 9321 | 9041 | 9323 | 9325 | 9096

Profile	Material	Colour number	Dimension a	Free ventilation cross-section
9321	aluminium	black	50 mm	185 cm <sup>2</sup> /linear metre
9041	aluminium	black	70 mm	254 cm <sup>2</sup> /linear metre
9323	aluminium	black	80 mm	300 cm <sup>2</sup> /linear metre
9325	aluminium	black	100 mm	393 cm <sup>2</sup> /linear metre
9096	aluminium	black	120 mm	462 cm <sup>2</sup> /linear metre

Lengths: 250 cm

Packaging: 20 pieces per package

Profiles coated on both sides.



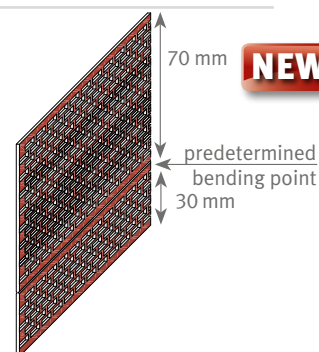
### 3695 Multiprofil 4 in 1

Profile	Material	Colour number	Width	Free ventilation cross-section
3695	hard PVC	10, 33	100 mm	492 cm <sup>2</sup> /linear metre
3695	hard PVC	47, 90	100 mm	492 cm <sup>2</sup> /linear metre

Lengths: 5 m

Packaging: 12 rolls per carton

The Multi profile 4 in 1 can be used flexibly as a two-tone ventilation strip or ventilation angle.



### 3686 | 3685 | 3681 | 3682 | 3683

Profile	Material	Colour number	Dimension a	Free ventilation cross-section
3686*	hard PVC	10, 33, 47, 90	50 mm	269 cm <sup>2</sup> /linear metre
3685	hard PVC	10, 33, 47, 90	80 mm	426 cm <sup>2</sup> /linear metre
3681	hard PVC	10, 33, 47, 90	100 mm	538 cm <sup>2</sup> /linear metre
3682	hard PVC	10, 33, 47, 90	150 mm	648 cm <sup>2</sup> /linear metre
3683**	hard PVC	10, 33, 47, 90	180 mm	792 cm <sup>2</sup> /linear metre

Lengths: 5 m

Packaging: 12 rolls per carton, \*24 rolls per carton, \*\*6 rolls per carton

PVC ventilation strip rolled.



### 3677 | 3678 | 3679

Profile	Material	Colour number	Dimension a	Free ventilation cross-section
3677*	hard PVC	10, 33, 47, 90	50 mm	269 cm <sup>2</sup> /linear metre
3678	hard PVC	10, 33, 47, 90	80 mm	426 cm <sup>2</sup> /linear metre
3679	hard PVC	10, 33, 47, 90	100 mm	538 cm <sup>2</sup> /linear metre

Lengths: 60 m per roll

Packaging: 1 roll per carton, \*2 rolls per carton

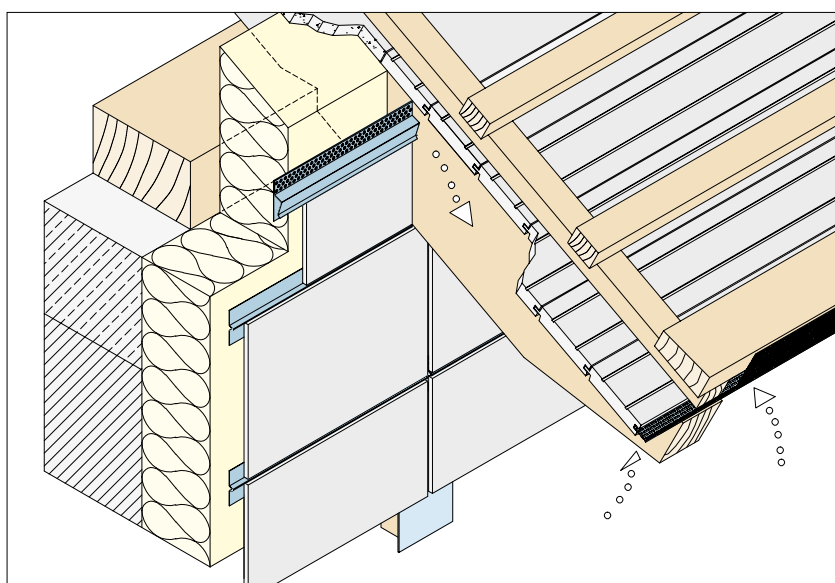
PVC ventilation strip rolled in a practical dispenser.



Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised

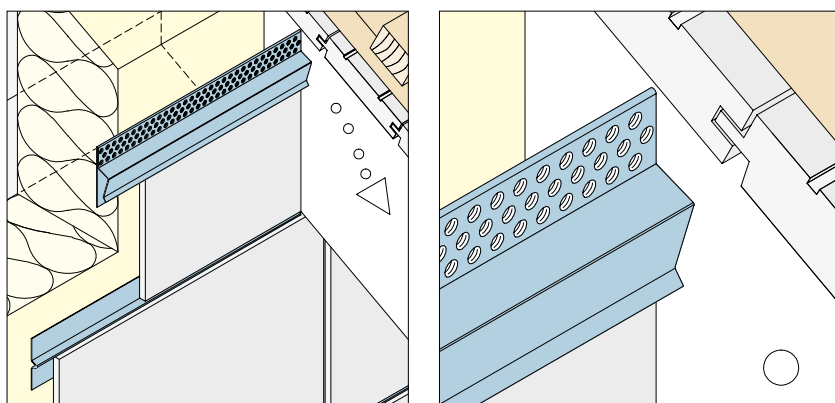
# ROOF AND FACADE VENTILATION

## EAVES VENTILATION



The ventilation profiles 9056 and 9059 are used in the upper facade area and under the window sills. The profiles can be used for board thicknesses of 4 to 6 mm and 8 to 15 mm.

The ventilation profiles 3662, 3663 and 3664 ensure a clean and flush facade stop with the horizontal and slanted roof side.





# ROOF AND FACADE VENTILATION

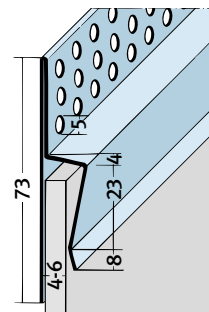
## EAVES VENTILATION

### 9056

Profile	Material	Colour number	Free ventilation cross-section
9056	aluminium	natural	75 cm <sup>2</sup> /linear metre

Lengths: 250 cm

Packaging: 10 pieces per package

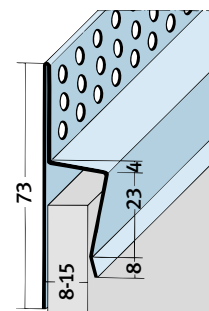


### 9059

Profile	Material	Colour number	Free ventilation cross-section
9059	aluminium	natural	75 cm <sup>2</sup> /linear metre

Lengths: 250 cm

Packaging: 10 pieces per package

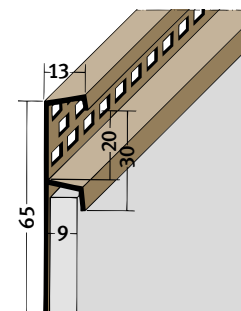


### 3662

Profile	Material	Colour number	Free ventilation cross-section
3662	hard PVC	10, 47, 90	100 cm <sup>2</sup> /linear metre

Lengths: 250 cm

Packaging: 20 pieces per package

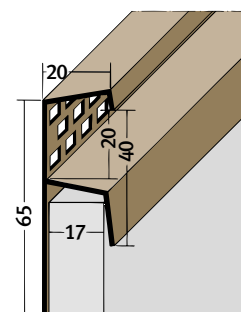


### 3663

Profile	Material	Colour number	Free ventilation cross-section
3663	hard PVC	10, 33, 47, 90	100 cm <sup>2</sup> /linear metre

Lengths: 250 cm, 500 cm

Packaging: 20 pieces per package

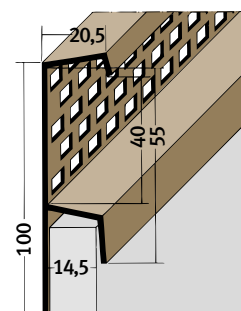


### 3664

Profile	Material	Colour number	Free ventilation cross-section
3664	hard PVC	10, 33, 47, 90	166 cm <sup>2</sup> /linear metre

Lengths: 250 cm

Packaging: 10 pieces per package



Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised

# ROOF AND FACADE VENTILATION

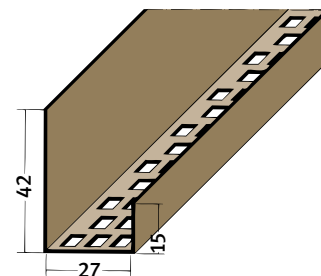
## EAVES VENTILATION

### 3618



Profile	Material	Colour number	Free ventilation cross-section
3618	hard PVC	10, 47, 90	104 cm <sup>2</sup> /linear metre

**Lengths:** 250 cm, 500 cm  
**Packaging:** 10 pieces per package



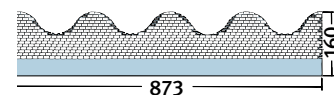
### 9063



Profile	Material	Colour number	Free ventilation cross-section
9063	aluminium	natural	362 cm <sup>2</sup> /linear metre

**Lengths:** 87,3 cm  
**Packaging:** 50 pieces per carton

For corrugated panels as well as profiles 5 and 6.



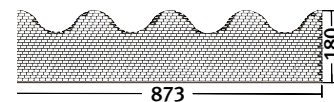
### 3687



Profile	Material	Colour number	Free ventilation cross-section
3687	hard PVC	47, 90	695 cm <sup>2</sup> /linear metre

**Lengths:** 87,3 cm  
**Packaging:** 50 pieces per carton

For corrugated panels as well as profiles 5 and 6.



Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised.

# ROOF AND FACADE VENTILATION

## BASE PROFILES / RAIN REPELLING PROFILES

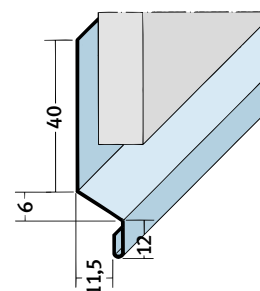
### 9083

Profile	Material	Colour number
9083	aluminium	natural

**Lengths:** 250 cm

**Packaging:** 10 pieces per package

Custom dimensions upon request, please see page 62, Custom solutions.

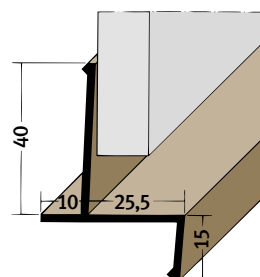


### 3551

Profile	Material	Colour number
3551	hard PVC	10, 90

**Lengths:** 250 cm

**Packaging:** 10 pieces per package

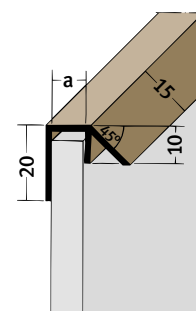


### 3588 | 3544 | 3589

Profile	Material	Colour number	Dimension a
3588	hard PVC	10, 90	8,5 mm
3544	hard PVC	10, 90	10,5 mm
3589	hard PVC	10, 90	12,5 mm

**Lengths:** 250 cm

**Packaging:** 20 pieces per package



# ROOF AND FACADE VENTILATION

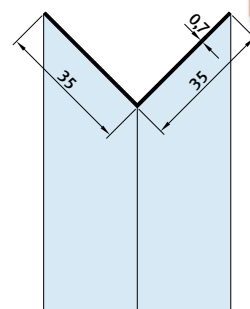
## ANGLE PROFILES

### 9434 | 9435

Profile	Material	Colour number
9434	aluminium	natural
9435	aluminium	black (coated on both sides)

**Lengths:** 250 cm  
**Packaging:** 20 pieces per package

Powder coating according to RAL COLOUR CODING possible upon request. Please see page 62, Custom solutions.



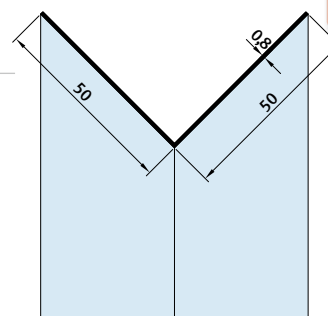
**NEW!**

### 9436 | 9437

Profile	Material	Colour number
9436	aluminium	natural
9437	aluminium	black (coated on both sides)

**Lengths:** 250 cm  
**Packaging:** 20 pieces per package

Powder coating according to RAL COLOUR CODING possible upon request. Please see page 62, Custom solutions.

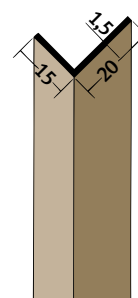


**NEW!**

### 3578

Profile	Material	Colour number
3578	hard PVC	10, 33, 47, 90

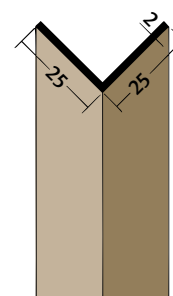
**Lengths:** 250 cm, 500 cm upon request  
**Packaging:** 20 pieces per package



### 3520

Profile	Material	Colour number
3520	hard PVC	10, 33, 47, 90

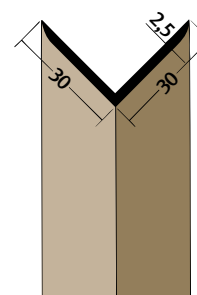
**Lengths:** 250 cm, 500 cm upon request  
**Packaging:** 20 pieces per package



### 3524

Profile	Material	Colour number
3524	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm, 500 cm upon request  
**Packaging:** 20 pieces per package



Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised

# ROOF AND FACADE VENTILATION

## ANGLE PROFILES

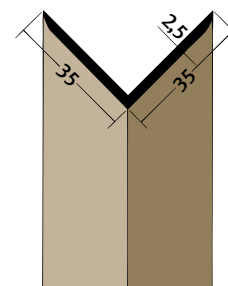
### 3519



Profile	Material	Colour number
3519	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm, 500 cm upon request

**Packaging:** 20 pieces per package



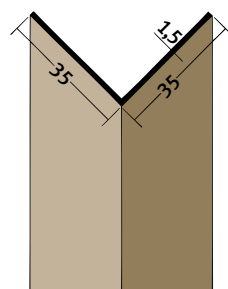
### 3528



Profile	Material	Colour number
3528	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm, 500 cm upon request

**Packaging:** 20 pieces per package



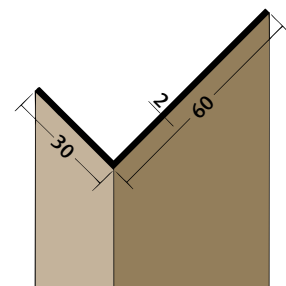
### 3525



Profile	Material	Colour number
3525	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm, 500 cm upon request

**Packaging:** 10 pieces per package



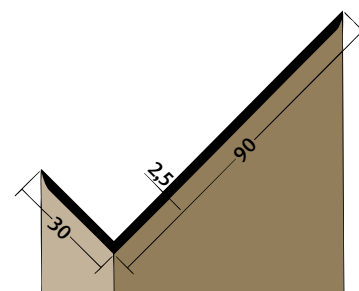
### 3518



Profile	Material	Colour number
3518	hard PVC	10, 33, 47, 90

**Lengths:** 250 cm, 500 cm upon request

**Packaging:** 10 pieces per package



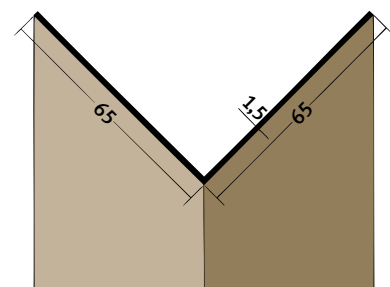
### 3540



Profile	Material	Colour number
3540	hard PVC	10, 33, 47, 90

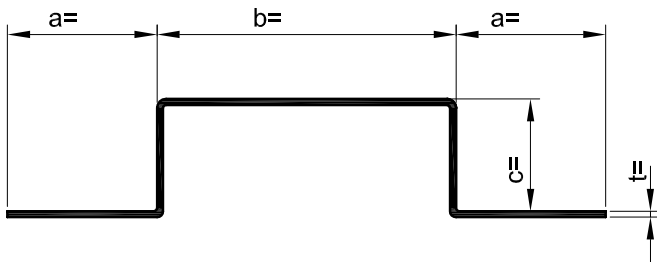
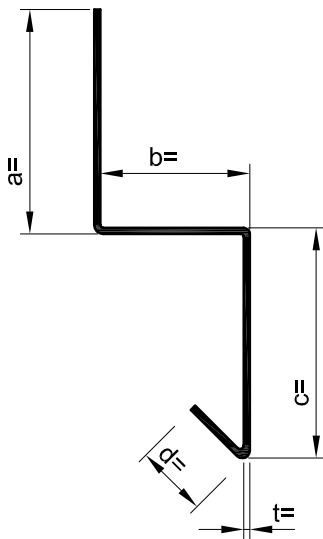
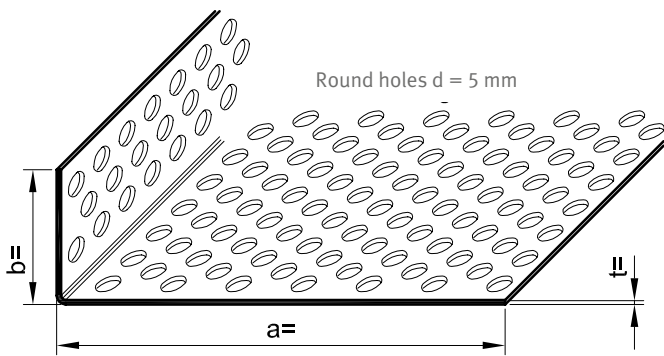
**Lengths:** 250 cm, 500 cm upon request

**Packaging:** 10 pieces per package



Colour numbers: white 10, brick-red 33, brown 47, black 90, EV 1 natural anodised

# CUSTOM SOLUTIONS



## Special profiles

We have tools for custom profiles for specialised purposes not listed in the catalogue. After a feasibility study, we need the following documents in order to generate a quotation:

- dimensioned drawing
- material specifications

Kindly contact us directly for a quote.

**Please note the minimum production quantity of 200 metres per dimension.**

## Colour coating

All standard and special profiles made of aluminium can be polyester-powder coated if the RAL COLOUR CODING colour is indicated. We look forward to hearing from you in these circumstances!

The aforementioned special profiles can only be manufactured after an order has been submitted in writing and the necessary drawings and material specifications have been provided.

For powder coated parts, order the total quantity required to prevent differences in coating. There is no guarantee that the coating in repeat orders will appear exactly the same. Returns are therefore excluded.

Returns of fixed length orders, special profile and special accessory orders are excluded as well. For special parts, we reserve the right to deliver maximum or minimum quantities of  $\pm 10 \%$ .

Custom designed profiles or special accessories are only manufactured according to customer requirements and under the exclusion of liability with regards to rights of third parties.

We assume no liability for the stability and functionality of custom designs according to customer requirements.

# GENERAL SALES TERMS AND CONDITIONS

## Section 1 General - Scope

- (1) Our terms of sale shall apply exclusively. We shall not acknowledge adverse conditions or a customer's sales terms if they deviate from ours unless we have approved their validity in writing. Our terms of sale shall also apply if we execute a customer's order without reservation while being aware of adverse conditions or a customer's sales terms deviating from ours.
- (2) Any agreements made between us and the customer regarding the fulfilment of the contract shall be made in writing in this contract. The product information in the individual catalogues shall also apply.
- (3) Our terms of sale shall apply only to companies in accordance with Section 310 Paragraph 1 of the German Civil Code.

## Section 2 Quotation - Quotation documents

- (1) If the order is to be considered a quotation according to Section 145 of the German Civil Code, we shall accept this within two weeks by means of a written order confirmation.
- (2) The minimum order value shall be € 30.00. For orders under € 100.00, we shall charge a small-volume purchase fee of € 16.00.
- (3) For plaster and facade profiles, we shall charge a surcharge of 15 % for fixed lengths and a surcharge of 20 % for short lengths. For orders of less than a standard package (plaster, facade, concrete joint and screed profiles) we shall charge a packaging surcharge of € 10.00 per package to be opened. For plastic profiles in custom colours (minimum order quantity 100 kg), we shall charge a colour surcharge of 30 %.
- (4) Dry wall profiles shall always be delivered in full packaging units - PU - only (e.g. package, carton).
- (5) Images and drawings as well as information about weights, quantities or dimensions shall generally be considered only approximate values unless they are labelled as binding in particular individual cases.
- (6) We reserve property rights and copyrights for images, drawings, calculations and other documents. This shall also be applied to documents received in writing that are labelled „confidential“. The customer shall obtain our written permission before distribution to third parties.
- (7) Models and tools manufactured by order of the customer shall remain our property even if the customer has paid for them in part or in full.

## Section 3 Prices - Payment terms

- (1) Unless indicated differently in the order confirmation, our prices shall be „ex works“.
- (2) Our prices do not include value-added tax. The applicable value-added tax shall be indicated as a separate item on the invoice at the time of billing.
- (3) Unless indicated differently in the order confirmation, the purchase price shall be due net (without deduction) within 30 days from the date of invoice. For payment within 14 days, we shall grant a 2 % discount. The legal regulations shall apply pertaining to the consequences of default in payment.
- (4) A customer shall be entitled to offset if his counterclaim has been legally established, undisputed or acknowledged by us. He shall, furthermore, be entitled to exercise a right of retention insofar as his counterclaim is based on the same contractual relationship.

## Section 4 Delivery time

- (1) The delivery time indicated by us shall be based on the assumption that all technical questions have been cleared in advanced and may be exceeded by up to two weeks (or up to three weeks for custom orders) unless an explicit agreement for a fixed date has been made.
- (2) Compliance with our delivery obligation is conditional upon the in-time and due and proper fulfilment of the customer's obligations. We reserve the right to defend against non-fulfilment.
- (3) If the customer is in default of acceptance or if he negligently violates other duties of cooperation, we shall be authorised to claim the damage incurred by us, including possible additional expenses. We reserve the right to additional claims.
- (4) If the requirements stated in paragraph (3) are fulfilled, the risk of accidental loss or deterioration of the delivery items shall pass to the customer at the point in time at which the customer falls into default of acceptance or debtor's delay.
- (5) According to the requirements of law, we are liable to the extent that the underlying purchase agreement is a firm deal in the sense of Section 286 Paragraph 4 of the German Civil Code or Section 376 of the German Commercial Code. We shall also be liable in accordance with statutory provisions if, as a consequence of any delay in delivery for which we are responsible, the customer is entitled to assert the right that his interest in the continued fulfilment of the contract has ended.
- (6) We shall furthermore be liable according to the statutory provisions, provided the delay in delivery is due to a wilful or grossly negligent contractual infringement for which we are responsible; fault on the part of our representatives or subcontractors shall be attributable to us. Provided that the breach of supply agreement is not based upon an intentional breach of contract for which we are to blame, our liability to make good damages shall be limited to the foreseeable damages typical for this type of contract.
- (7) We shall also be liable according to the statutory provisions if the delay in delivery for which we are responsible is due to the culpable infringement of a fundamental contractual obligation; in this case, liability for damages is, however, limited to the foreseeable, typically occurring loss.
- (8) Moreover, we shall be liable in the event of a default in delivery for default damages expressed as a lump sum of 2 % for each full week of default but not to exceed 10 % of the value of the goods.
- (9) Further statutory claims and rights on the part of the customer shall be reserved.

## Section 5 Transfer of risk - Packaging costs

- (1) Unless indicated differently in the order confirmation, delivery shall be „ex works“.
- (2) Transport packing and all other packaging as covered by the German Packing Ordinance shall not be taken back; pallets shall be excluded. The customer shall have a duty to take care of disposal of packing at his own expense. Note that the option of disposal free of charge exists due to the disposal partnership with INTERSEROH GmbH (contract no. 25608).
- (3) Provided it is in agreement with the customer, we shall insure the delivery with cargo insurance, the costs of which shall be paid by the customer.

## Section 6 Responsibility for defects

- (1) Any claims for defects raised by the customer presuppose that he has properly fulfilled his duties to investigate and to raise a complaint set forth in Section 377 of the German Commercial Code.

- (2) To the extent that the purchased items are defective, the customer can, according to his own choice, require subsequent performance in the form of removal of the defect or in the form of delivery of a new non-defective product. In the event that the defect is remedied, we shall be obliged to bear all the necessary costs for the remedying of the defect, in particular transport, labour and material costs, provided that such costs are not increased by the additional cost of taking the object of sale to another location other than the place of performance.
- (3) If the subsequent fulfilment fails, the customer may, depending on their choice, either decrease the remuneration or withdraw from the contract.
- (4) We shall be liable in accordance with the relevant statutory regulations, insofar as the customer asserts claims for damages arising from intent or gross negligence, including intent or gross negligence on the part of our representatives or subcontractors. Provided that we are not accused of wilful breach of contract, our liability for damages shall be restricted to foreseeable, typically occurring damages.
- (5) We shall be liable in accordance with the relevant statutory regulations, insofar as we culpably violate a major contractual obligation; in this case, however, the liability for damages is likewise limited to the predictable, typically occurring damages.
- (6) Liability for culpable harm to life, the human body, or health remains unaffected; this applies also to the liability mandated under the German Product Liability Law.
- (7) In the absence of any provisions to the contrary above, liability shall be excluded.
- (8) Liability shall furthermore be excluded in the case of non-observance of the installation and processing instructions in the product catalogues.
- (9) The guarantee period for defect claims shall be 12 months from the date of the transfer of risk unless the product information indicates a longer guarantee period.
- (10) The limitation period in case of a delivery regress according to Articles 478, 479 of the German Civil Code shall remain unaffected; it shall be five years from delivery of the defective item.

## Section 7 Joint liability

- (1) Liability for damages extending further than prescribed in Section 6 shall be excluded - without consideration of the legal nature of the asserted claim. This shall apply in particular to compensation claims for damages based on fault when entering into the contract, on account of other breaches of duty or on account of tortious compensation claims for property damage in accordance with Section 823 of the German Civil Code.
- (2) To the extent that liability for damages against us is excluded or restricted, this shall also apply in regard to the personal liability of our employees, salaried workers, associates, representatives and subcontractors.

## Section 8 Reserved ownership rights

- (1) We reserve the title to the goods pending full settlement of all claims arising from business relationship with the customer. In the event of any breach of contract by the customer, in particular any delay in payment, we shall be entitled to take back the item of sale. The cancellation of a purchased item by us shall not indicate withdrawal from the contract, unless we have expressly clarified this in writing. The seizure of the item of sale by us shall always constitute a withdrawal from the contract. After return of the item of sale, we shall be entitled to its utilisation, the utilisation proceeds shall be set-off against the accounts payable of the customer - minus reasonable utilisation costs.
- (2) In the case of seizures or any other intervention of third parties, the customer shall immediately notify us in writing, so that we may file a suit in accordance with Section 771 of the German Code of Civil Procedure. If the third party is not in the position to reimburse us for any court and out-of-court costs incurred for the legal proceedings pursuant to Section 771 of the German Code of Civil Procedure, the customer shall be liable for any loss incurred by us.
- (3) The customer shall be entitled to resell the object sold in the ordinary course of business. In that event, the customer shall forthwith inform the third party about our reservation of title. The customer shall hereby surrender all claims to us in the amount of the recognised balance (including value-added tax) of our claims that he has accrued from the resale to his purchaser or third party. The customer shall remain authorised to collect this claim even after surrender. Our right to collect the claim ourselves shall remain unaffected by this. We shall, however, be obligated to not extract the claim as long as the customer fulfils his payment obligations from the revenues received, is not in default for payment and, in particular, no application for the initiation of insolvency proceedings has been submitted and payments have not been suspended. However, in such cases, we shall be entitled to demand that the customer notifies us of the assigned claims and the respective liable parties, provides us with all information necessary to collect the claim and submits to us all appropriate documents and notifies the liable parties (third parties) of the assignment.
- (4) Any processing or restructuring of the goods by the customer shall always be performed on our behalf. If the bought object is joined inseparably to other objects that do not belong to us, we shall acquire a share in the ownership of the new object in the proportion of the objective value of our bought object (total invoice amount including VAT) to the other connected objects at the time of the processing. Apart from the above, the same shall apply to the item arising due to processing as to the item of sale delivered with reservation.
- (5) We oblige to release the collateral due to us upon request of the customer to such an extent as the feasible value of our collateral exceeds the claims to be secured by more than 20 %; the selection of the collateral to be released is incumbent upon us.

## Section 9 Prohibition of assignment

Claims shall not be passed from the customer to us.

## Section 10 Jurisdiction - Place of fulfilment

- (1) Insofar as the supplier is a merchant, the place of jurisdiction shall be our place of business; we shall, however, be entitled to bring proceedings against the supplier before the court of his place of business.
- (2) The law of the Federal Republic of Germany shall apply; the provisions of UN commercial law shall be excluded.
- (3) Unless otherwise stated in the order confirmation, the place of performance shall be our place of business.

**PROTEKTORWERK Florenz Maisch GmbH & Co. KG**  
Gaggenau, im Juni 2011

## PARTNERS WITH COMPETENCE

### SALES MANAGEMENT

#### REGION NORTH-GERMANY

Tel. +49 [0] 7225.9 77.1 20  
Fax +49 [0] 7225.9 77.3 31

#### REGION SOUTH-GERMANY

Tel. +49 [0] 7225.9 77.1 50  
Fax +49 [0] 7225.9 77.3 33

### DISTRIBUTION WAREHOUSES

#### PROTEKTORWERK

Florenz Maisch GmbH & Co. KG  
Viktoriastr. 58, D-76571 Gaggenau

Tel. +49 [0] 72 25.9 77.0  
Fax +49 [0] 72 25.9 77.1 11

#### PROTEKTORWERK

Gutter and drainage systems Division  
Zusestraße 1

D-25524 Itzehoe/Holstein  
Tel. +49 [0] 48 21.8 04 07.0  
Fax +49 [0] 48 21.8 04 07.77

#### PROTEKTORWERK

Merowingerstr. 15  
D-85551 Kirchheim/near München

Tel. +49 [0] 89.31 88 04.20  
Fax +49 [0] 89.31 88 04.22

### DISTRIBUTION WAREHOUSES

#### WILLEMSSEN GMBH Werksvertretungen

After-Sales Service Center West  
Konrad-Adenauer-Ring 4  
D-47167 Duisburg-Neumühl

Tel. +49 [0] 2 03.9 95 76.0  
Fax +49 [0] 2 03.9 95 76.90

#### PROTEKTORWERK

Gewerbestraße 15  
D-15366 Hoppegarten

Tel. +49 [0] 33 42.39 69.20  
Fax +49 [0] 33 42.39 69.21

#### PROTEKTORWERK

Großpötzschau Nr. 4a  
D-04579 Espenhain/OT Pötzschau

Tel. +49 [0] 3 43 47.8 04.20  
Fax +49 [0] 3 43 47.8 04.25



How to reach us - see: [www.protektor.com/kontakt/anfahrt\\_protektor.pdf](http://www.protektor.com/kontakt/anfahrt_protektor.pdf)



PROFILES  
FOR MODERN  
BUILDING

#### PROTEKTORWERK

Florenz Maisch GmbH & Co. KG

P.O. Box 1420, D-76554 Gaggenau  
Viktoriastr. 58, D-76571 Gaggenau

Tel. +49 [0] 72 25.9 77.0

Fax +49 [0] 72 25.9 77.1 11

[info@protektor.com](mailto:info@protektor.com)

[www.protektor.com](http://www.protektor.com)

Version: 25 06/11 5 K 14013