

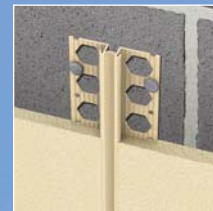
Superior PVCu beads for rendering, plastering and drylining applications



Bellcast / drip beads



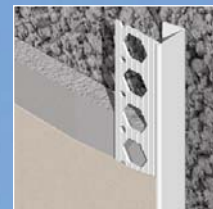
Corner / angle beads



Movement / expansion joints



Stop beads



Drylining beads



Renderplas PVCu beads provide high performance solutions to Part L compliance, with a high recycled content creating an 'excellent' Ecopoint rating, backed by BBA approval on all external products.

About Renderplas and PVCu beads

Renderplas was formed in 1990 to offer the construction industry a brand new concept in beading for rendering, plastering and drylining applications.

As the UK's first manufacturer of PVCu beads, Renderplas leads the field in cost-effective, non-corrosive PVCu beading products that address what many regard as the aesthetic and performance shortcomings of traditional metal beads. Innovations in design and manufacturing techniques have now made it possible to produce PVCu beads, like our pioneering Powerbead, that can outperform and outlast even stainless steel beads.

Why choose Renderplas?

At Renderplas we take great pride in designing and delivering robust, plasterer-friendly PVCu beads that offer a wide range of benefits for contractors, architects and end users alike.

Performance benefits

Renderplas PVCu beads have a very narrow arris, making them ideal for both scratched and scraped finishes and sand and cement render applications. Our products also offer ease of handling, are safe to cut, and simple to apply, with little or no waste. And once installed, PVCu beads have a high resistance to corrosion, staining and impact.

REACH

The Registration, Evaluation, Authorisation and restriction of Chemicals (REACH) controls all substances that move through the EEA from manufacture through to the end user. Renderplas PVCu beads would be non-hazardous in the watercourse or if ingested and are free from substances of very high concern (SVHCs). Our products are ecologically benign and comply with REACH legislation.

Accreditations

Designed and manufactured to BS EN 13914-1&2:2005 and with

BBA approval on all external products, Renderplas PVCu beads provide the peace of mind that all our products are fit for purpose.

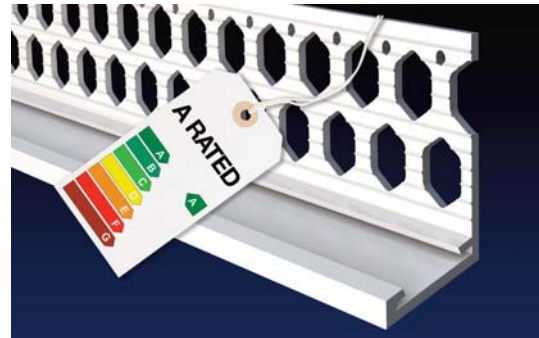
Colour options

In addition to our standard range of white and ivory beads, Renderplas offers a choice of colours to give architects and contractors the freedom to use more vibrant through-coloured renders, whilst also eliminating the time and cost of re-painting that would be required when using metal beads.

Internal applications

Used internally, whether in conjunction with wet plastering or drylining, Renderplas PVCu beads will not stain during drying out periods and offer superior protection against impact in high traffic areas.

With such an impressive array of benefits over traditional beads, it's not surprising that PVCu beads are fast becoming the first choice for renderers and plasterers across the world.



Renderplas and the environment



Renderplas PVCu beads are manufactured locally from 100% recycled materials for white, and up to 96% in other colours; offcuts are recycled, and all of the PVCu we use is recyclable. Our PVCu beads also assist Part L compliance by eliminating the cold bridges that could be caused by steel beads.

Renderplas beads awarded "excellent" rating of 0.004 Ecopoints per kg installed

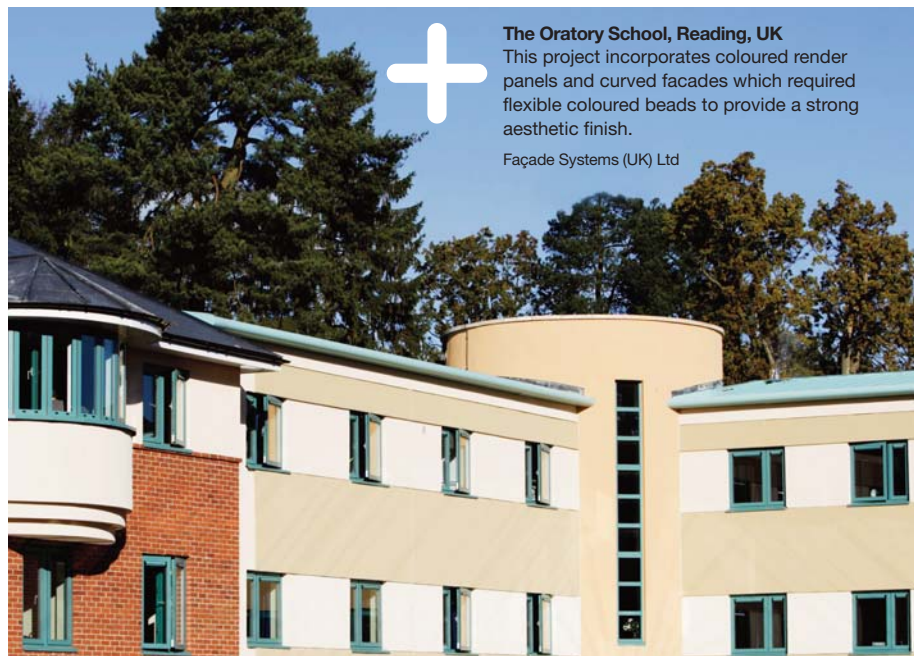
Renderplas has also taken the lead in providing Ecopoint calculations for its products to assist the specifier in lowering carbon production. An independent environmental profile awarded our PVCu beads an "excellent" Ecopoint rating of just 0.004 per kg installed.



The Oratory School, Reading, UK

This project incorporates coloured render panels and curved facades which required flexible coloured beads to provide a strong aesthetic finish.

Façade Systems (UK) Ltd





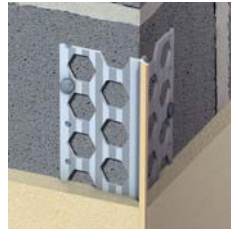
Renderplas PVCu beads provide high performance solutions to Part L compliance, with a high recycled content creating an 'excellent' Ecopoint rating, backed by BBA approval on all external products.

Renderplas PVCu bead range

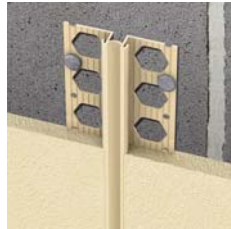
A comprehensive range of PVCu bead profiles offers cost-effective solutions for all external rendering, including sand and cement and through-coloured renders, and internal plastering applications. Options include the Renderplas Powerbead, a second generation of PVCu beading with ultra strong edges and flexible wings which can be nailed directly to the substrate, saving time and money on site.



Bellcast / drip beads
Allow rainwater to drip clear of underlying substrate when applied at or above DPC level and above reveals.



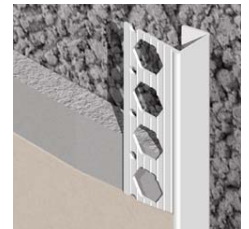
Corner / angle beads
Provide a straight arris and impact protection on plastered and rendered corners.



Movement / expansion joints
Specified wherever there is a structural movement joint under the render or to allow for thermal movement.



Stop beads
Used around door and window surrounds to prevent potential cracking or to give a clean finish to panels of render.



Drylining beads
Ensure a clean edge and protection on external corners and extremities of plasterboard.



Millharbour, London, UK
One of the desirable high spec residential buildings on Millharbour at Canary Wharf. Renderplas PVCu bellcast beads provide protection to render and attractive architectural features.
Façade Systems (UK) Ltd





Renderplas PVCu beads provide high performance solutions to Part L compliance, with a high recycled content creating an 'excellent' Ecopoint rating, backed by BBA approval on all external products.

Better by design

Renderplas PVCu beads are specifically designed to provide a robust, cost-effective and plasterer-friendly beading solution that outperforms and is aesthetically superior to metal alternatives. All our products conform to BS EN 13914-1:2005, the standard for external rendering, and can be specified with complete confidence for all external rendering and internal plastering and drylining applications.

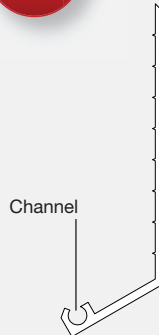
1

Design

The superior design of Renderplas beads greatly reduces the occurrence of capillary action and therefore water ingress between the bead and the render system. Less well designed beads can include 'channels' that may not be completely filled with render and after a few years of freeze-thaw action spalling may occur which weakens / cracks the render system.



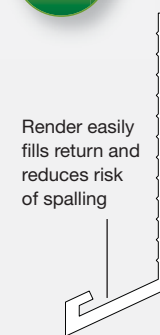
Competitor bellcast bead



Channel



Renderplas bellcast bead



Render easily fills return and reduces risk of spalling

2

Aesthetics

Renderplas beads are designed to provide an unobtrusive, smart installation. The extremely narrow arris makes them ideal for scratched or scraped finishes. We offer a wide choice of profiles for straight, durable joints, sharp lines and clean corners. Renderplas PVCu beads are guaranteed never to rust and they will not stain like metal beads can do.



Rusty steel bead



Renderplas PVCu bead

3

Strength

Renderplas PVCu beads are impact resistant and dissipate shockwaves reducing impact damage. They can often be re-rendered without chopping out the bead, which is very unlikely in the case of metal. Renderplas' superior Y shape design with an arrowhead arris provides the maximum render thickness and strength. Metal corners have a large folded arris reducing render thickness at the most vulnerable point.



Steel corner bead



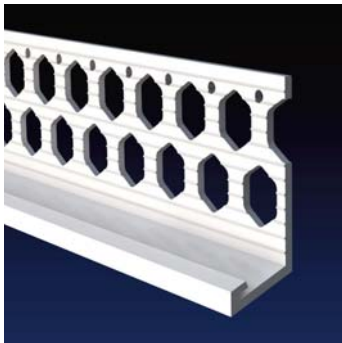
Renderplas corner bead



Renderplas PVCu beads provide high performance solutions to Part L compliance, with a high recycled content creating an 'excellent' Ecopoint rating, backed by BBA approval on all external products.

Renderplas

PVCu bellcast / drip beads



Main applications:

- Brick and blockwork
- Timber frame
- Insulation board
- Cement board
- Composite systems
- Plasterboard



More information
Detailed product datasheets can be viewed on our website. See www.renderplas.co.uk

Renderplas PVCu bellcast / drip beads allow rainwater to drip clear of the underlying substrate when applied at or above DPC level and window heads. Our beads are designed for function and speed on all external rendering applications. Discreet but strong, all beads give a perfect finish to through-colour render with Powerbead providing ultimate strength for heavy sand and cement. Renderplas bellcast beads offer a value for money alternative to steel products and are guaranteed not to stain or corrode like galvanized steel beads, reducing spalling and impact damage.

Application

Designed to provide a stop to the render just above the damp proof course and above reveals to produce a straight edge, bellcast / drip beads provide protection against impact and deflect rain water. Can also be used as an architectural feature at each storey to provide a shadow.

Performance

Renderplas plastic bellcast / drip beads offer a value for money alternative to stainless steel beads because they are made from cost-effective recycled exterior grade, impact resistant, UV stable PVCu and are guaranteed not to stain or corrode like galvanized steel beads, reducing spalling and impact damage. Designed to outlast their metal counterparts, plastic beads are guaranteed to be fit for purpose for the lifetime of the render and at least 25 years. Our PVCu beads match the stipulations of the British and European standard for the design requirements of metal beads and lath (BS EN 13658-2:2005), are BBA certified, Class 1Y fire rated, and are not affected by weather. The British and European Standard for the design and application of external

render (BS EN 13914-1:2005) stipulates that only PVC beads and stainless steel beads can be used in all applications including situations of high atmospheric or background moisture and high atmospheric or background salt.

Storage, cutting and fixing

PVCu beading is fast and easy to cut to length with tin snips or a fine toothed hacksaw and is safer to handle than cut metal. Fixing is no different from steel beads and standard industry practice can be followed. Please see the installation guide for details. Store vertically away from heat and direct sun, or flat if supported along the entire length.

Packing

All PVC beads are packed in robust fibreboard tubes except for BX15 which is packed in thick polythene sleeves. Supplied in 2.5m or 3.0m lengths and in packs of 25 or 6 as shown in the table overleaf.

Colours

Stocked in white and ivory and ten further colours across all PVC bead profiles except B10 which is supplied in white only.

Terracotta

TE

Salmon

SA

Brick

BR

Peach

PE

Wheat

WH

Maize

MA

Ivory

IV

White



Dove

DO

Slate

SL

Willow

WI

Sky

SK



Al Aqah Beach Resort, Fujairah, UAE

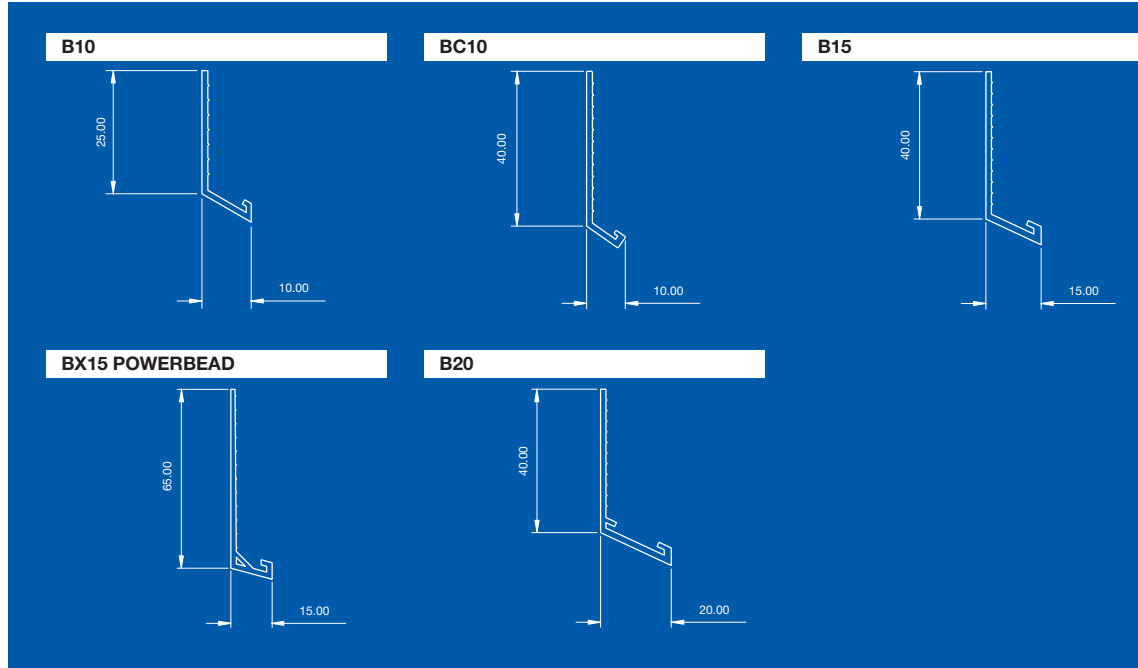
This luxury hotel is situated 90 minutes from Dubai International Airport. Famed for its year round sunshine, the United Arab Emirates is a testing environment for building products. The Renderplas PVC beads in this hotel are the natural choice as they require no extra maintenance, they do not require painting and can be cleaned along with the render.





Renderplas PVCu beads provide high performance solutions to Part L compliance, with a high recycled content creating an 'excellent' Ecopoint rating, backed by BBA approval on all external products.

PVCu bellcast / drip beads



All dimensions are shown in millimetres

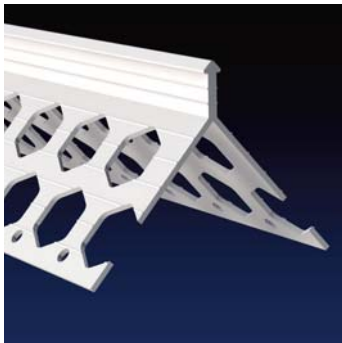
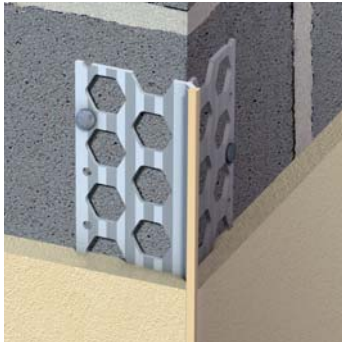
Code	Product description	Render or plaster depth (mm)	Weight per pack (kg)	Length (m)	Lengths per pack	Colours
B10	10mm PVCu small wing bellcast bead	4-10	4.46	2.5	25	White
BC10	10mm PVCu bellcast bead	4-12	6.70	2.5	25	All 12
B15	15mm PVCu bellcast bead	10-17	11.13	2.5	25	All 12
BX15	15mm PVCu bellcast Powerbead	10-17	3.10	3.0	6	All 12
B20	20mm PVCu bellcast bead	13-22	12.89	2.5	25	All 12





Renderplas PVCu beads provide high performance solutions to Part L compliance, with a high recycled content creating an 'excellent' Ecopoint rating, backed by BBA approval on all external products.

PVCu corner / angle beads



Main applications:

- Brick and blockwork
- Timber frame
- Insulation board
- Cement board
- Composite systems
- Plasterboard



More information

Detailed product datasheets can be viewed on our website. See www.renderplas.co.uk



Clement Park Care Home, Dundee, UK

Renderplas corner beads were used on corners and reveals to ensure a straight arris and to provide impact protection. Stop beads were used to prevent cracking around door and window surrounds.

Muirfield Contracts Ltd



Our locally manufactured PVCu corner / angle beads are designed for function and speed. Suitable for external and internal rendering and plastering applications ensuring a straight edge to corners and reveals. Discreet but strong, all beads give a perfect finish to through-colour render with Powerbead providing ultimate strength for heavy sand and cement. Renderplas corner beads offer a value for money alternative to stainless steel products and are guaranteed not to stain or corrode like galvanized steel beads, reducing spalling and impact damage.

Application

Designed for use on all rendered and plastered corners and reveals to produce a straight edge and provide protection against impact. Can also be used for internal plastering applications.

Performance

Renderplas plastic corner beads / angle beads offer a value for money alternative to stainless steel beads because they are made from cost-effective recycled exterior grade, impact resistant, UV stable PVCu and are guaranteed not to stain or corrode like galvanized steel beads, reducing spalling and impact damage. Designed to outlast their metal counterparts, plastic beads are guaranteed to be fit for purpose for the lifetime of the render and at least 25 years. Our PVCu beads match the stipulations of the British and European standard for the design requirements of metal beads and lath (BS EN 13658-2:2005), are BBA certified, Class 1Y fire rated, and are not affected by weather. The British and European Standard for the design and application of external render (BS EN 13914-1:2005)

stipulates that only PVC beads and stainless steel beads can be used in all applications including situations of high atmospheric or background moisture and high atmospheric or background salt.

Storage, cutting and fixing

PVCu beading is fast and easy to cut to length with tin snips or a fine toothed hacksaw and is safer to handle than cut metal. Fixing is no different from steel beads and standard industry practice can be followed. Please see the installation guide for details. Store vertically away from heat and direct sun, or flat if supported along the entire length.

Packing

All PVC beads are packed in robust fibreboard boxes. Supplied in 2.5m or 3.0m lengths and in packs of 25 or 6 as shown in the table overleaf.

Colours

Stocked in white and ivory across all plastic beads except CB2 which is supplied in white only. 10 further colours available for 6mm-15mm profiles.



Terracotta

TE

Salmon

SA

Brick

BR

Peach

PE

Wheat

WH

Maize

MA

Ivory

IV

White

Dove

DO

Slate

SL

Willow

WI

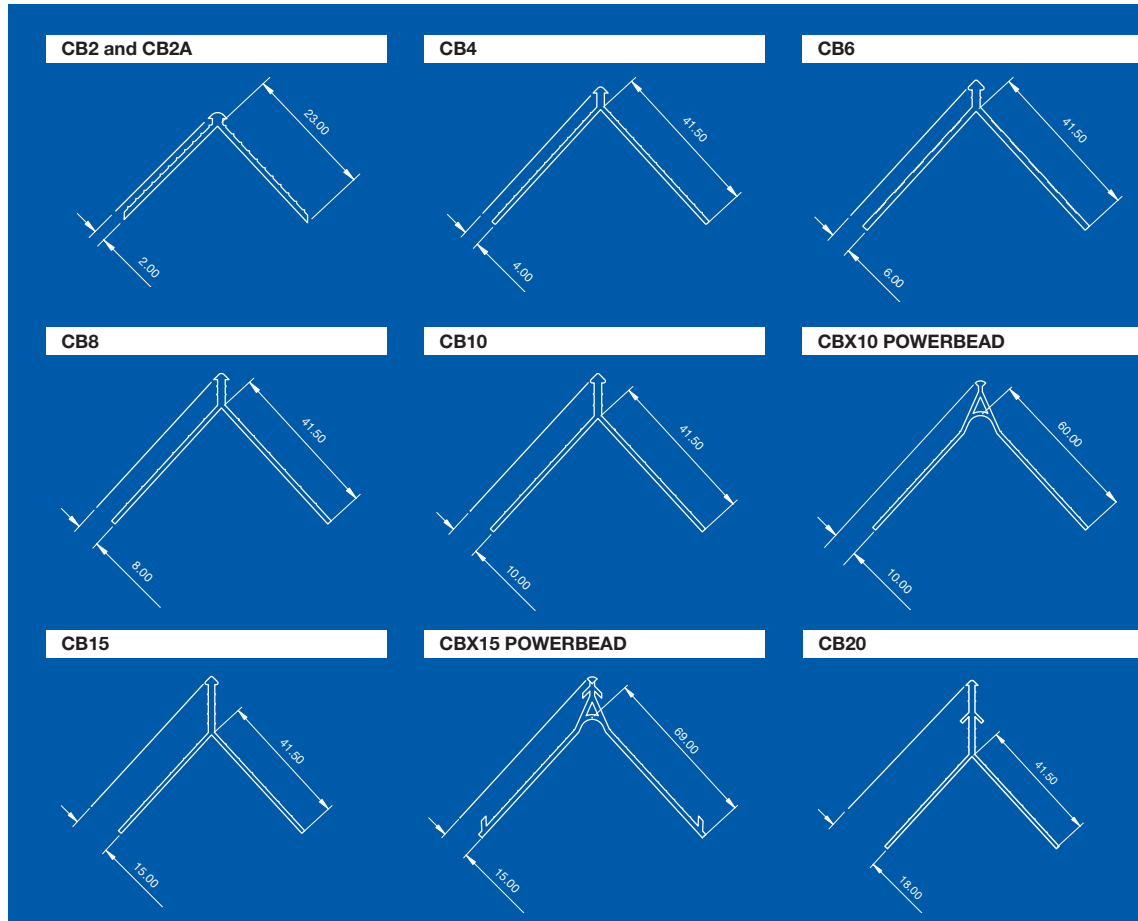
Sky

SK



Renderplas PVCu beads provide high performance solutions to Part L compliance, with a high recycled content creating an 'excellent' Ecopoint rating, backed by BBA approval on all external products.

PVCu corner / angle beads



All dimensions are shown in millimetres

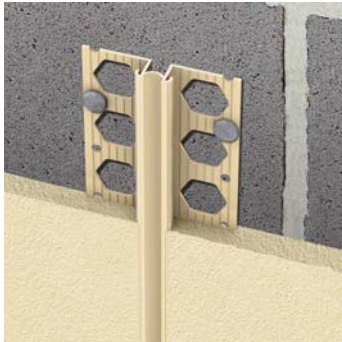
Code	Product description	Render or plaster depth (mm)	Weight per pack (kg)	Length (m)	Lengths per pack	Colours
CB2	2mm PVCu skim bead	2	4.38	2.5	25	White
CB2A	2mm PVCu arch skim bead	2	4.38	2.5	25	White
CB4	4mm PVCu corner bead	4-6	10.94	2.5	25	White
CB6	6mm PVCu corner bead	6-8	11.33	2.5	25	All 12
CB8	8mm PVCu corner bead	8-10	11.38	2.5	25	White/Ivory
CB10	10mm PVCu corner bead	10-12	11.38	2.5	25	All 12
CBX10	10mm PVCu corner Powerbead	10-12	5.50	3.0	6	All 12
CB15	15mm PVCu corner bead	15-17	13.25	2.5	25	All 12
CBX15	15mm PVCu corner Powerbead	13-15	7.50	3.0	6	All 12
CB20	20mm PVCu corner bead	18-22	4.78	2.5	6	White/Ivory





Renderplas PVCu beads provide high performance solutions to Part L compliance, with a high recycled content creating an 'excellent' Ecopoint rating, backed by BBA approval on all external products.

PVCu movement / expansion joints



Main applications:

- Brick and blockwork
- Timber frame
- Insulation board
- Cement board
- Composite systems
- Plasterboard



More information

Detailed product datasheets can be viewed on our website. See www.renderplas.co.uk



Norwood Hall Hotel, Aberdeen, UK

Renderplas movement joints have provided an effective and easy to use solution for an extension to the Norwood Hall Hotel, a magnificent country house hotel and conference centre in Aberdeen.

Muirfield Contracts Ltd



Renderplas movement joints allow for structural movement and thermal compression and expansion of render using a long-lasting flexible PVCu membrane. Our locally manufactured beads are designed for function and speed on all external and internal rendering and plastering applications. Discreet but strong, all beads give a perfect finish to through-colour render with Powerbead providing ultimate strength for heavy sand and cement. Our movement joints are guaranteed not to stain or corrode like galvanized steel beads, reducing spalling and impact damage.

Application

Designed to prevent cracking to render through thermal expansion and compression. Must be used over a structural movement joint once settling is complete. Can be used horizontally as a day joint to disguise a break in the render. MJ4 can be folded through 90° to form an internal corner on plasterboard.

Performance

Renderplas plastic movement joints offer a value for money alternative to steel beads because they are made from cost-effective recycled, impact resistant, UV stable PVCu and are guaranteed not to stain or corrode like galvanized steel beads. PVCu beads are guaranteed for the lifetime of the render and at least 25 years. Our beads match the stipulations of the British and European standard for the design requirements of metal beads and lath (BS EN 13658-2:2005), are BBA certified, Class 1Y fire rated, and are not affected by weather. The British and European Standard for the design and application of external render (BS EN 13914-1:2005) stipulates that only PVC beads and stainless steel beads

can be used in all applications

including situations of high atmospheric or background moisture and high atmospheric or background salt. Beads with the code MJ4, MJ6, MJ10, MJ15 and MJ20 provide movement of +/- 2.5mm and beads with the code MJW6, MJW10, MJX15 provide movement of +/- 1.5mm as certified by the BBA.

Storage, cutting and fixing

PVCu beading is fast and easy to cut to length with tin snips or a fine toothed hacksaw. Fixing is no different from steel beads. Store vertically away from heat and direct sun, or flat if supported along the entire length.

Packing

All PVC beads are packed in robust fibreboard boxes. Supplied in 2.5m lengths and in packs of 25 or 6 as shown in the table overleaf.

Colours

Stocked in white and ivory across all profiles except MJ4 and MJ20 which are supplied in white only. Stocked in 10 further colours for MJW6, MJW10 and MJX15.

Terracotta

TE

Salmon

SA

Brick

BR

Peach

PE

Wheat

WH

Maize

MA

Ivory

IV

White



Dove

DO

Slate

SL

Willow

WI

Sky

SK

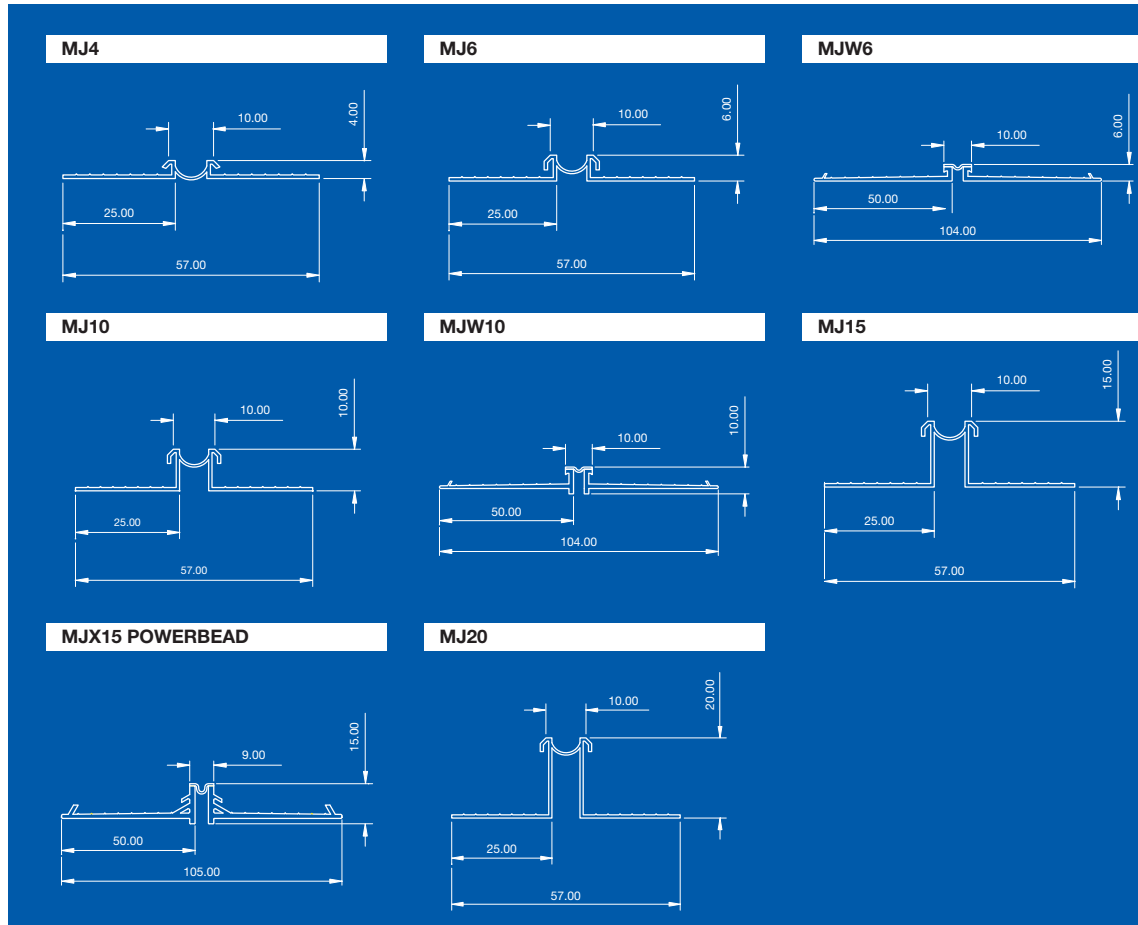




Renderplas PVCu beads provide high performance solutions to Part L compliance, with a high recycled content creating an 'excellent' Ecopoint rating, backed by BBA approval on all external products.

Renderplas

PVCu movement / expansion joints



All dimensions are shown in millimetres

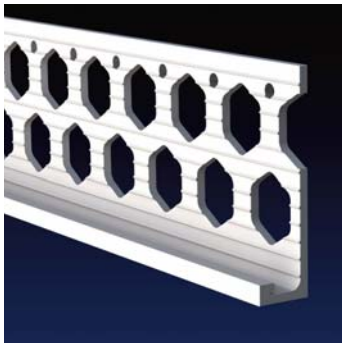
Code	Product description	Render or plaster depth (mm)	Weight per pack (kg)	Length (m)	Lengths per pack	Colours
MJ4	4mm PVCu movement joint	4-6	5.33	2.5	25	White
MJ6	6mm PVCu movement joint	6-8	5.88	2.5	25	White/Ivory
MJW6	6mm PVCu wide wing movement joint	6-8	3.05	2.5	6	All 12
MJ10	10mm PVCu movement joint	10-12	6.50	2.5	25	White/Ivory
MJW10	10mm PVCu wide wing movement joint	10-12	3.30	2.5	6	All 12
MJ15	15mm PVCu movement joint	15-17	7.31	2.5	25	White/Ivory
MJX15	15mm PVCu movement joint Powerbead	15	5.00	2.5	6	All 12
MJ20	20mm PVCu movement joint	20-22	8.06	2.5	25	White





Renderplas PVCu beads provide high performance solutions to Part L compliance, with a high recycled content creating an 'excellent' Ecopoint rating, backed by BBA approval on all external products.

PVCu stop beads



Main applications:

- Brick and blockwork
- Timber frame
- Insulation board
- Cement board
- Composite systems
- Plasterboard



More information

Detailed product datasheets can be viewed on our website. See www.renderplas.co.uk

Our locally manufactured PVCu stop beads are designed for function and speed on all external and internal rendering and plastering applications. Discreet but strong, all beads give a perfect finish to through-colour render with Powerbead providing ultimate strength for heavy sand and cement. Because they are made from cost-effective recycled PVCu, Renderplas stop beads offer a value for money alternative to stainless steel products and are guaranteed not to stain or corrode like galvanized steel beads, reducing spalling and impact damage.

Application

Designed to provide a stop to the render at window and door frames and at changes to the facade to produce a straight finish and protection against impact. Can also be used for internal plastering applications.

Performance

Renderplas plastic stop beads offer a value for money alternative to stainless steel beads because they are made from cost-effective recycled exterior grade, impact resistant, UV stable PVCu and are guaranteed not to stain or corrode like galvanized steel beads, reducing spalling and impact damage. Designed to outlast their metal counterparts, plastic beads are guaranteed to be fit for purpose for the lifetime of the render and at least 25 years. Our PVCu beads match the stipulations of the British and European standard for the design requirements of metal beads and lath (BS EN 13658-2:2005), are BBA certified, Class 1Y fire rated, and are not affected by weather. The British and European Standard for the design and application of external render (BS EN 13914-1:2005) stipulates that only PVC beads and

stainless steel beads can be used in all applications including situations of high atmospheric or background moisture and high atmospheric or background salt.

Storage, cutting and fixing

PVCu beading is fast and easy to cut to length with tin snips or a fine toothed hacksaw and is safer to handle than cut metal. Fixing is no different from steel beads and standard industry practice can be followed. Please see the installation guide for details. Store vertically away from heat and direct sun, or flat if supported along the entire length.

Packing

All PVC beads are packed in robust fibreboard tubes except for RSX15 which is packed in thick polythene sleeves. Supplied in 2.5m or 3.0m lengths and in packs of 25 or 6 as shown in the table overleaf.

Colours

Stocked in white and ivory in beads with 'RS' codes and white only in beads with 'PS' codes. RS6, RS10, RS15 and RSX15 are also stocked in ten further colours as shown in the table overleaf.

Terracotta

TE

Salmon

SA

Brick

BR

Peach

PE

Wheat

WH

Maize

MA

Ivory

IV

White



Dove

DO

Slate

SL

Willow

WI

Sky

SK



Templar House, South Harrow, UK

The striking geometric patterns in the render at Templar House in South Harrow were finished faster using Renderplas coloured stop beads. The discreet beading creates a sharp finish.

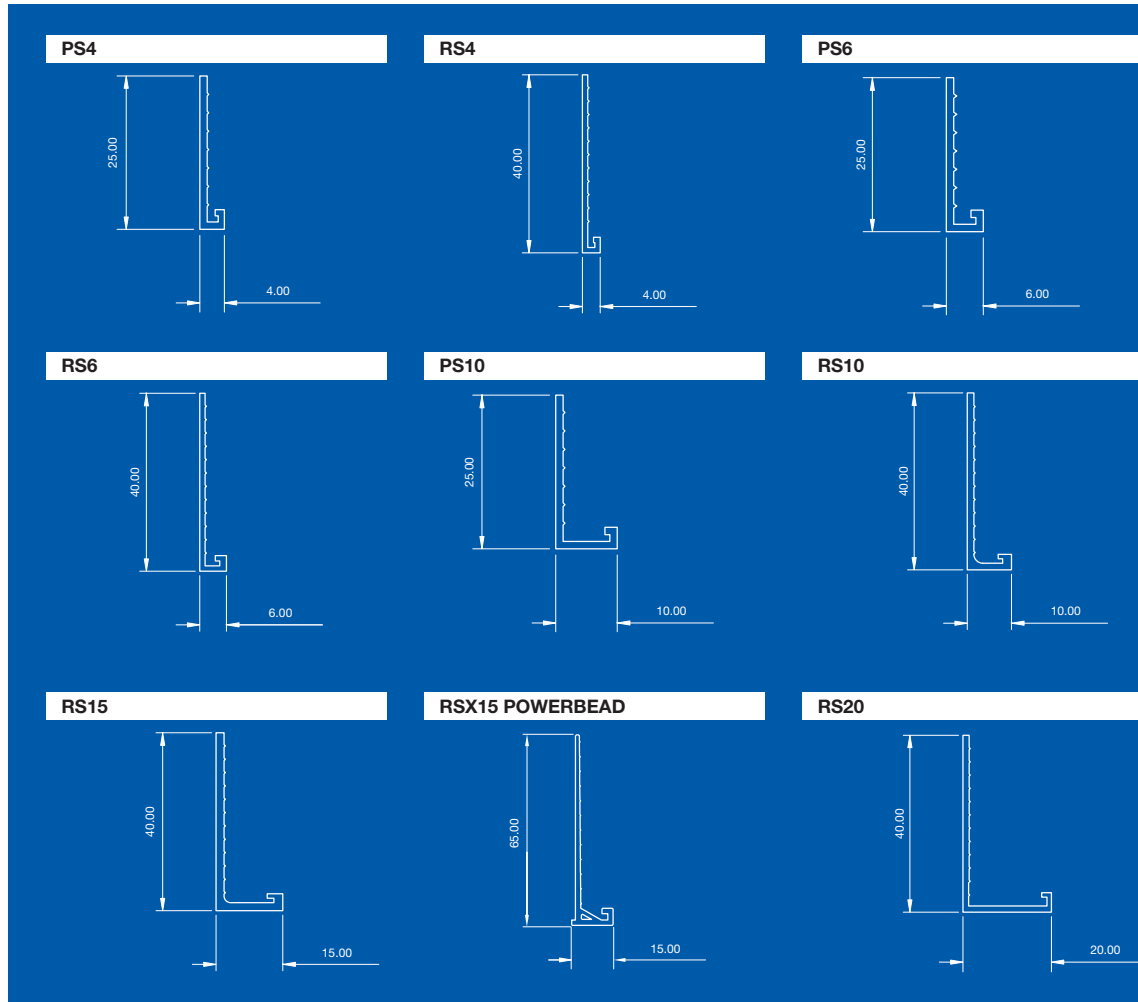
Façade Systems (UK) Ltd





Renderplas PVCu beads provide high performance solutions to Part L compliance, with a high recycled content creating an 'excellent' Ecopoint rating, backed by BBA approval on all external products.

PVCu stop beads



All dimensions are shown in millimetres

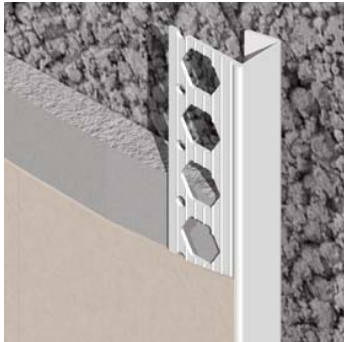
Code	Product description	Render or plaster depth (mm)	Weight per pack (kg)	Length (m)	Lengths per pack	Colours
PS4	4mm PVCu small wing render stop bead	3-5	3.50	2.5	25	White
RS4	4mm PVCu render stop bead	3-5	4.36	2.5	25	White
PS6	6mm PVCu small wing render stop bead	6-8	3.88	2.5	25	White
RS6	6mm PVCu render stop bead	6-8	4.67	2.5	25	All 12
PS10	10mm PVCu small wing render stop bead	10-12	4.31	2.5	25	White
RS10	10mm PVCu render stop bead	10-12	7.69	2.5	25	All 12
RS15	15mm PVCu render stop bead	15-17	8.50	2.5	25	All 12
RSX15	15mm PVCu render stop Powerbead	13-15	3.00	3.0	6	All 12
RS20	20mm PVCu render stop bead	20-22	8.36	2.5	25	White/Ivory



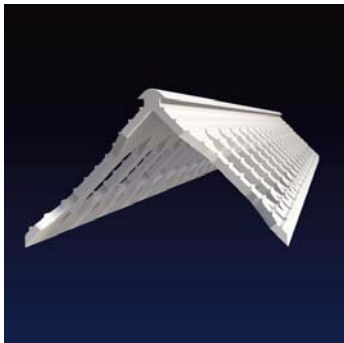


Renderplas PVCu beads provide high performance solutions to Part L compliance, with a high recycled content creating an 'excellent' Ecopoint rating, backed by BBA approval on all external products.

PVCu drylining beads



Renderplas PVCu drylining beads offer the perfect solution for skim plastering and drywall applications. Because they are made locally from cost-effective recycled PVCu, they offer a value for money alternative to metal products. They are guaranteed not to stain during a lengthy drying out process or in situations with high moisture or salt such as kitchens, bathrooms and pool enclosures. They are particularly well suited to schools, prisons and hospitals as they do not provide any threat to safety either after a heavy impact or if pulled out of the wall.



Application

Corner beads provide a clean edge and impact protection on external corners. Arch beads create smooth curves in arched reveals. Edge beads provide a clean attractive stop to plasterboard where it meets another finish, such as a brick wall or door frame, and prevent cracking. Architrave beads provide a shadow gap between the wall and ceilings, skirting boards and door frames.

enclosures, but are equally suited to all general plasterboard applications.

Health & Safety

PVCu beads are completely safe to handle during application and do not have the razor sharp edges of cut metal. They are also preferred in schools, hospitals and prisons as they do not provide any threat to safety either after a heavy impact or if pulled out of the wall.

Main applications:

- Brick and blockwork
- Timber frame
- Insulation board
- Cement board
- Composite systems
- Plasterboard

Storage, cutting and fixing

Store vertically away from heat and direct sun, or flat if supported along entire length. PVCu beads are fast and easy to cut to length with tin snips or a fine toothed hacksaw. They are simply fixed with nails or staples through the wing of the bead.

Packing

Supplied in 2.5m or 3.0m lengths in high quality fibreboard tubes or boxes in 6, 25 or 50 lengths per pack as shown in the table overleaf.

Colours

White in all profiles.

Performance

Like all Renderplas products, the drylining range is manufactured from exterior grade, impact resistant, UV stable unplasticised PVCu. They offer several benefits over metal beads whilst still giving excellent protection from impact and providing clean edges that often do not need painting. PVCu beads are guaranteed never to rust and they will not stain like metal beads can do in lengthy drying periods. They are the perfect choice in situations with high moisture or salt such as kitchens, bathrooms and pool



More information

Detailed product datasheets can be viewed on our website. See www.renderplas.co.uk



Kentish Town Sports Centre, London, UK

Flexible PVCu beads made the ideal choice for curved architectural features in the high moisture atmosphere of Kentish Town Sports Centre.

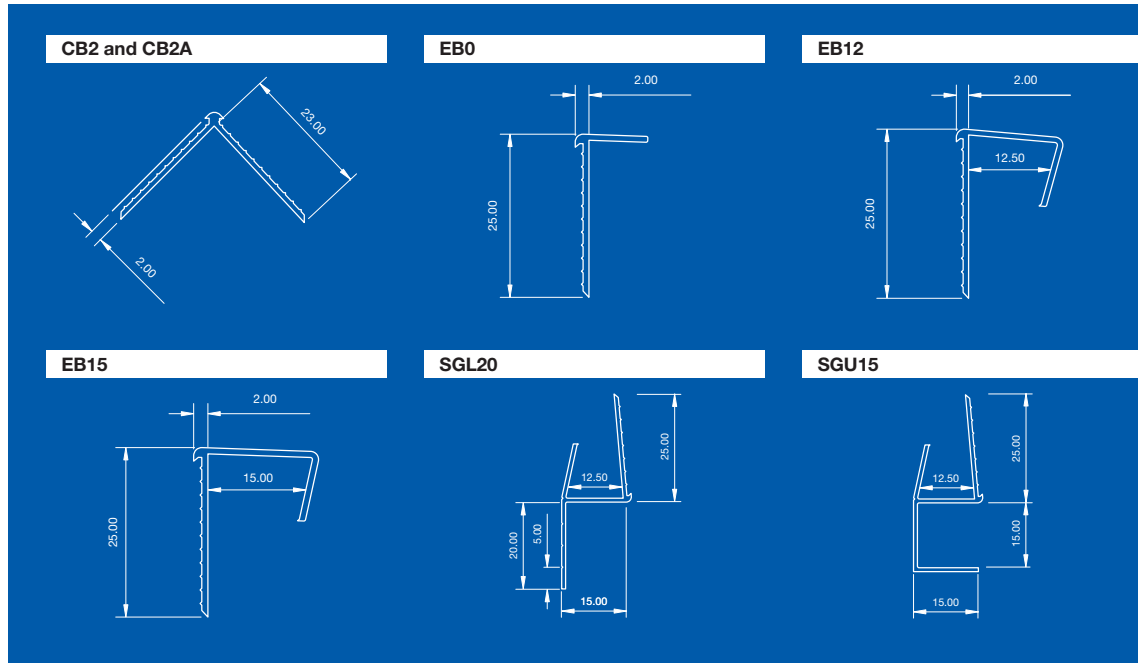
David Andrews
Construction Ltd





Renderplas PVCu beads provide high performance solutions to Part L compliance, with a high recycled content creating an 'excellent' Ecopoint rating, backed by BBA approval on all external products.

PVCu drylining beads



All dimensions are shown in millimetres

Code	Product description	Skim depth (mm)	Weight per pack (kg)	Length (m)	Lengths per pack	Colours
CB2	2mm PVCu skim corner bead	2	4.38	2.5	25	White
CB2-50	2mm PVCu skim corner bead	2	7.00	2.5	50	White
CB2A	PVCu skim arch bead	2	4.38	2.5	25	White
CB2A-50	PVCu skim arch bead	2	7.00	2.5	50	White
EB0	PVCu flexible board edge bead	2	3.44	2.5	25	White
EB0-50	PVCu flexible board edge bead	2	6.02	2.5	50	White
EB12	12.5mm PVCu clip-on edge bead	2	3.88	2.5	25	White
EB12-50	12.5mm PVCu clip-on edge bead	2	7.50	2.5	50	White
EB15	15mm PVCu clip-on edge bead	2	4.56	2.5	25	White
EB15-50	15mm PVCu clip-on edge bead	2	7.62	2.5	50	White
SGL20	PVCu architrave shadow gap 'L' profile	2	2.75	3.0	6	White
SGU15	PVCu architrave shadow gap 'U' profile	2	3.00	3.0	6	White



Renderplas PVCu beads provide high performance solutions to Part L compliance, with a high recycled content creating an 'excellent' Ecopoint rating, backed by BBA approval on all external products.

Installation guide

Renderplas PVCu beads are all made locally from exterior grade UV resistant PVCu so they can be installed both inside and out. They are fast and easy to install and perfect for all renders including sand and cement. Standard industry practice can be used on blockwork, timber frame and external wall insulation systems to cut and fix the beads which are safer to handle than cut metal.

Blockwork

On blockwork, beads are set onto render dabs to the required depth and plumbed straight. Adhesive mortar can also be used for faster drying and to prevent slipping. Larger profiles, particularly Powerbeads, can be fixed with non-corrosive mechanical fixings alone as the flexible wings take up irregularities in the background, with the strong arris remaining straight. Nail clouts or hammer-in plug fixings are suitable for this.

Timber frame and external wall insulation systems

On timber frame and external wall insulation systems, there is no need to set the beads onto render or adhesive mortar if the surface is level. Suitable fixings should be chosen depending on the background.



1 Assess the substrate for large irregularities. These should be dubbed out with mortar which is then allowed to set hard prior to application of beading.



2 Cut beads to the required length. Tin snips are normally used, or a fine toothed saw for precision mitres or cutting larger movement joints.



3 Trowel on render dabs onto the background surface. Adhesive mortar can be used instead to increase the level of grip and reduce slipping.



4 Set stop beads into the render dabs and push into reveals against window and door frames. Push corner beads onto external corners and tap to level.



5 Once the beads are aligned, apply render over the wings and allow to set hard.



6 Fix bellcast beads onto a continuous line of render dabs, or better still, onto adhesive mortar to prevent slipping.



Installation guide continues overleaf



Renderplas PVCu beads provide high performance solutions to Part L compliance, with a high recycled content creating an 'excellent' Ecopoint rating, backed by BBA approval on all external products.

Renderplas

Installation guide



7 Alternatively nail clouts or hammer-in plug fixings can be used along the length of the bellcast bead every 300-700mm.



8 The beads are rigid enough for one person to fix alone. When using hammer-in fixings, the strong arris helps prevent the bead from deflecting.



9 At a change of finish, stop beads can be fixed either mechanically or onto render or mortar dabs.



10 Leave a gap of 8-14mm between bellcast beads at a movement joint and fix the bead over the top on render dabs, adhesive mortar or with mechanical fixings and plumb straight.



11 Once the render dabs or mortar have set hard, the system is ready for rendering.



12 Where beads meet, compound mitres give the best even finish especially in highly visible areas, but wings can be overlapped instead to save time.



13 Sand and cement render is applied to the required depth. Through-colour render is applied 2-3mm thicker than the required finish.



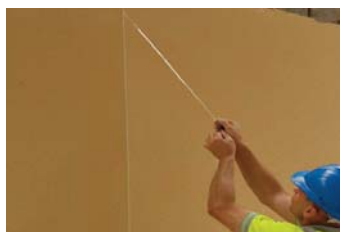
14 Care should be taken to push the render into the edges of the beading to eliminate air pockets.



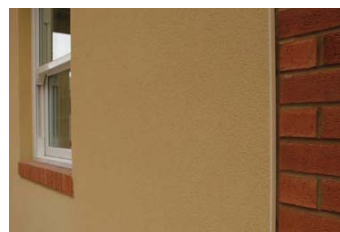
15 When scraping back through-colour render, take care not to make contact with the flexible membrane on the movement joint as this will cause it to fail.



16 The render should be left level with the edges of the beads which are exposed to give a neat finish.



17 Movement joints come with a protective strip over the flexible membrane. This is removed as the render is going off but before it sets hard.



18 All beads can be wiped down where necessary. The end result is a superior finish, even without painting.



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Renderplas

Case studies



Case study: PVCu beads perform in London projects



Renderplas PVCu beads for rendering, plastering and drylining are exhibiting their benefits at London's Victoria and Albert Museum and a number of other prestigious London projects by David Andrews Construction, a leading specialist in high quality trade finishes. The award-winning contractor has used over 3,000 metres of Renderplas beading for various new build and refurbishment contracts, from hotels, luxury

homes and leisure centres to one of the capital's most popular museums. Renderplas is able to assist distributors with direct-to-site deliveries which also save the contractor valuable time and resources.

versatile and perform equally well with standard and specialist plasters and rendering systems," he comments. "Their flexibility compared with metal alternatives is ideal for curved rendering, such as arches, which were a feature in a recent refurbishment project at the Victoria and Albert Museum."

David Andrews Construction also recommended Renderplas beads for its plasterwork renovation

Angle and stop beads from the Renderplas range are providing a highly durable beading solution on curved bulkheads around the indoor pool at the Sports Centre. "Being PVCu, Renderplas beads are not affected by atmospheric corrosion so will outlast galvanised metal beading in this type of environment," says Ian Englishby.

"Their flexibility compared with metal alternatives is ideal for curved rendering, such as arches"

Based in Islington, North London since 1987, David Andrews Construction has gained experience in all types of plastering and related services, including specialist plasterwork for listed buildings and external insulated render systems, as well as acoustic ceilings and fire protection partitioning. Renderplas PVCu beads ensure a reliable result, whatever the application, says the company's Project Manager, Ian Englishby. "We use them on a regular basis because they are so

sub-contract in high moisture areas at the Kentish Town Sports Centre, which has recently been restored to its former Victorian splendour and enhanced with new facilities by main contractor Wates Construction.



Case study: Renderplas on parade in major barracks revamp

Major barracks improvements for service personnel at Tidworth, Wiltshire, feature external walls newly rendered with military precision using Powerbead PVCu beading from Renderplas to ensure well-regimented joints, corners and edges.

Powerbead is Renderplas' new generation of PVCu beading, offering the contractor significant time and cost savings. Concrete Repairs Ltd, specialist in external envelope renovation, selected Renderplas to supply the 6.5km of beading needed for rendering at Tidworth as part of Project Allenby/Connaught.

Aspire Defence, a joint venture between Carillion and KBR, is delivering Project Allenby/Connaught, the largest infrastructure PFI ever let by the Ministry of Defence. The quality of life for over 18,700 soldiers, 20% of the British Army, is improving thanks to the provision of modern, high quality, fully serviced and purpose built living and working accommodation across the garrisons of Aldershot and Salisbury Plain.

The Project is already significantly improving the lives of soldiers, at what is a crucial time for many, with more than 4,100 soldiers having already moved into their own single en-suite living accommodation. The new and refurbished buildings include Junior Ranks Single Living



high performing materials in the external envelopes to improve overall efficiency.

Olu Ogunwale, Contracts Manager at Concrete Repairs, says energy efficiency of an external wall depends on materials and their use. "When selecting the optimum wall covering solution, we choose high quality materials and apply them exactly to specification. Even small details like using wire mesh or a metal bead can ruin the performance in critical areas by introducing potential thermal bridges."

Mr Ogunwale says Concrete Repairs chose Renderplas as the only partner able to deliver exactly what was required. "We needed someone to supply a bead that would work

aware of its high cost, the difficulty of cutting it, and the potential for extra maintenance costs that occur if the arris is exposed."

Powerbead was selected as it meets MoD requirements on sustainability and value for money. It is a second generation PVCu bead design, with beads fixed directly to the substrate without mortar, to save time and money. The beads' extremely strong edges hold their straightness, while the wings flex to take up any irregularities in the blockwork.

Mr Ogunwale says: "Beware of lesser PVCu beads – Powerbead is the stiffest bead with the widest wing, which makes it so easy to work with. It's simple to cut to size and it doesn't flex when render is trowelled on. We have also found that its design saves render, as depth-setting is more accurate."

Renderplas developed Powerbead with performance in mind – and no compromise in terms of style. The Powerbead range comes in colours that match today's most popular renders. The PVCu material is UV stabilised to maximise the life of the colour, so exposed joints and edges will complement the render for its whole lifetime, making it the natural choice for through-colour renders.

"Even small details like using wire mesh or a metal bead can ruin the performance in critical areas by introducing potential thermal bridges."

Accommodation (JRSLA) blocks, eight-man houses, dining facilities, mess halls, offices, stores, workshops as well as sports and leisure facilities which incorporate

equally well on refurbishment and new-build walls. We considered traditional stainless steel beading, but we knew there would be performance issues and we were

Case study: Switching from steel to PVCu beads works for Welsh Oak Frame

Renderplas PVCu render beads are contributing to the weather-tight external envelope of oak frame buildings by Welsh Oak Frame. Providing ultra strong straight edges and easy fixing, bellcast beads from the Renderplas Powerbead range are being used in conjunction with a weatherproof render finish to prevent rainwater penetrating the underlying substrate of Welsh Oak Frame's patented single wall system, comprising composite infill panels on an oak frame.

Welsh Oak Frame's high specification system utilises modern materials to replicate a medieval method of construction that allows the attractive oak frame structure to be viewed from the inside as well as the outside of the building. Having previously used stainless steel external render beads, Welsh Oak Frame now specifies Renderplas PVCu Powerbeads on a regular basis. Keith Rimmer, Projects and Planning Director at Welsh Oak Frame, says: "Because they are manufactured from PVCu, Renderplas products are much easier to staple to our infill panels than metal alternatives and have greater flexibility to match the contours of the wood frames. They also offer high resistance to weathering and come in a choice of colours to suit different project and planning requirements."



Based in Caersws, mid Wales, Welsh Oak Frame designs and builds unique oak frame homes and extensions that comply with Building Regulations and come with full NHBC warranties. Manufactured off-site, the company's composite infill panels are delivered to site once the building's skeletal oak frame is complete and installed by Welsh Oak Frame's skilled team. Renderplas 15mm bellcast Powerbeads are stapled to the panels prior to a two-coat finish of either a microporous pre-mix render or a traditional sand and cement render to a depth of up to 17mm, depending on the project

specification. Welsh Oak Frame estimates that up to 500 linear metres of Renderplas Powerbeads can be used in the construction of a new oak frame house.

A second generation of PVCu beading developed by Renderplas, Powerbeads can be fixed directly to the substrate, saving time and money on site. Extremely rigid edges keep the PVCu bead straight whilst it is being fixed and the flexible wings and back plates take up small irregularities in the substrate without the need to dub out.

“Renderplas beads come in a choice of colours to suit different project and planning requirements.”



Terracotta

TE

Salmon

SA

Brick

BR

Peach

PE

Wheat

WH

Maize

MA

Ivory

IV

White

Dove

DO

Slate

SL

Willow

WI

Sky

SK

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