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PLASTICS PLC



ROOFING & GLAZING

Amari Plastics for Roofing and Glazing

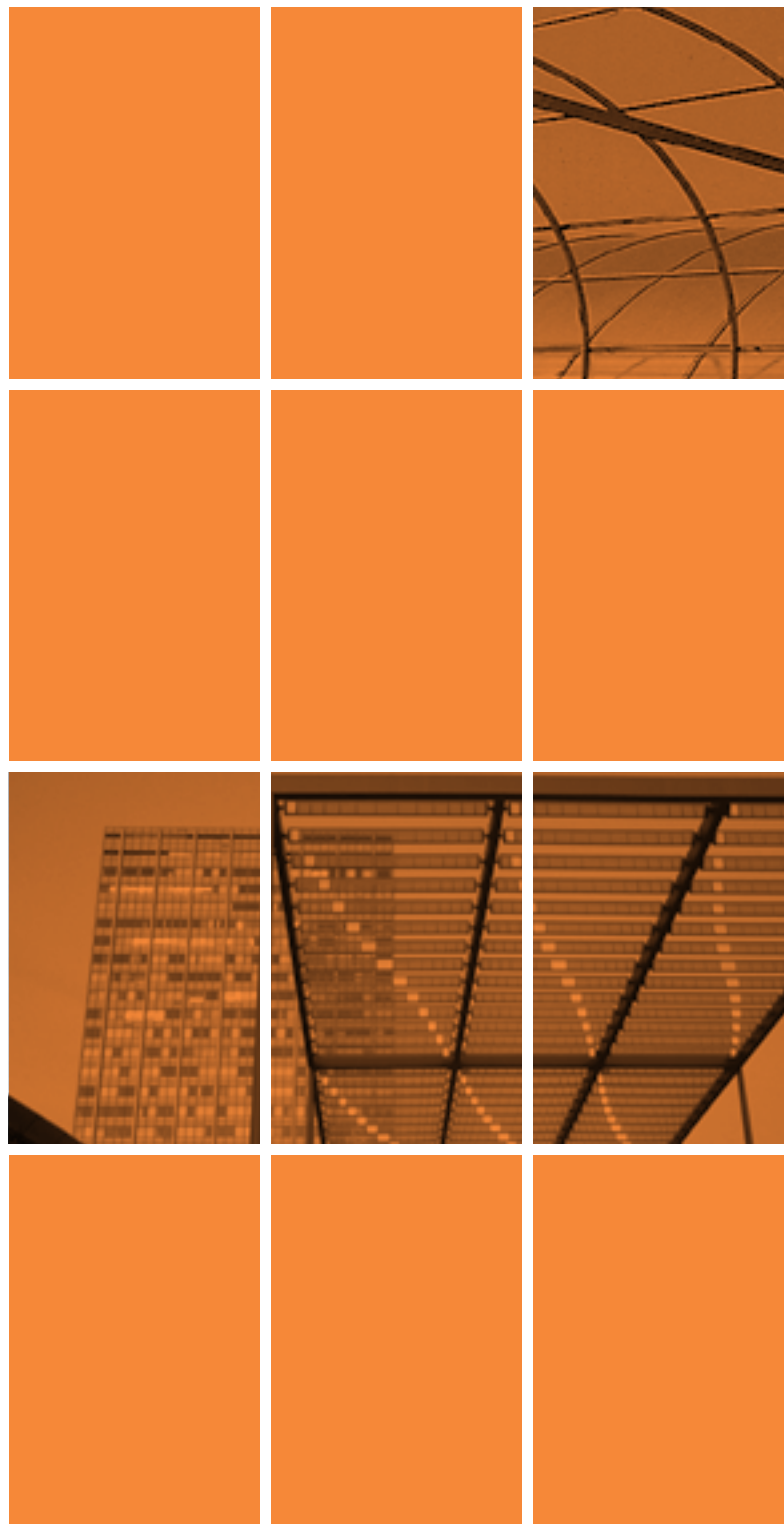
Amari Plastics offer a comprehensive range of sheet and associated products to be able to supply you the complete solution for all your industrial, commercial or domestic roofing and glazing requirements.

Each roofing and glazing application demands a material with particular properties and a method of installation.

Our extensive range of sheet will meet your specification. We have available many types of sheet in clear, opal, tinted, coloured and patterns including multi-wall sheets for heat and noise insulation, high impact sheet for security, safety and anti-vandal glazing, sheet for roof-lights and barrel vaulting, sheet for secondary glazing and notice board covers, and more specialist grades for marine applications, noise control barriers and hygienic applications.

Many of our products are guaranteed against weathering, clarity and UV resistance.

And more than just the sheet our specialist cutting facilities provides you with material cut to your exact requirements. Our fleet of vehicles will deliver the material to you when you require it and we supply all the associated products you will need including, structural glazing bars, gasket systems and sealants.



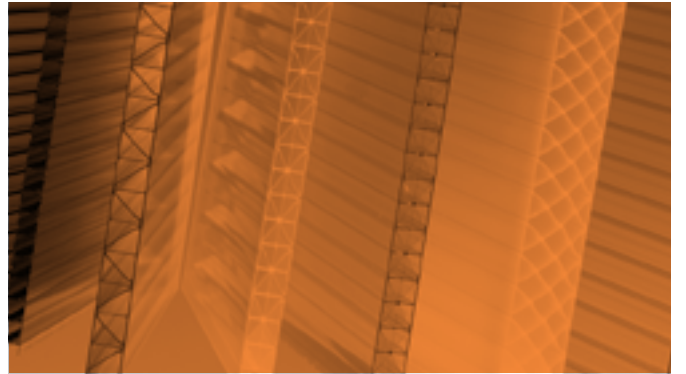


Makrolon

Makrolon polycarbonate has long been the UK's favourite choice for a range of roofing and glazing applications particularly conservatory roofs, barrel vaults and safety glazing.

Makrolon has an extremely high impact resistance and with its excellent transparency and good fire behaviour it is a very versatile product.

Makrolon is available in Multi-Wall or Solid sheet.



Makrolon multi

Makrolon multi is a range of heat-insulating structured sheet that is available in clear, opal and bronze. It is used in a wide range of applications from conservatory roofing, lean-to, car ports and greenhouses to suspended ceilings, swimming pool enclosures and sports stadia. It is also suitable for industrial or commercial applications including barrel vaulting.

Makrolon multi is produced with a range of double, triple or quadruple parallel skins and in a thickness range of 6mm to 32mm. The parallel skins improve the thermal insulation properties resulting in a sheet of high impact strength, which is transparent, lightweight and with excellent insulation properties.

Makrolon multi has a 10 year manufacturers warranty on weather resistance and UV stability.

Makrolon multi UV no drop:

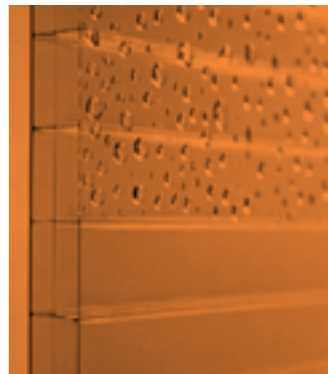
A No-Drop coating is available on the inner side of the sheet which disperses condensation to prevent drips forming whilst maintaining light transmission.

Makrolon multi UV:

One side has a coextruded layer that greatly improves UV and weather protection. This layer will not delaminate under severe weather conditions or when cold curved for barrel vaulting.

Makrolon multi UV IQ:

A very special "Intelligent" sheet that combines the maximum heat insulation properties on the cooler days with a reduction of the heating effect of the sun on the hotter days and still retains the same light transmission.



Makrolon solid

Makrolon Solid is a rigid transparent sheet with extremely high impact strength and optical clarity. It is highly weather resistant and is fire rated to BS476 Part 7 Class 1. It can be easily cold curved or thermoformed and is ideal for security, safety, anti-vandal and architectural glazing including barrel vaults. It is available in clear and a range of opal and bronze.

Makrolon GP:

The standard grade that is suitable for protective glazing, machine guards and all internal glazing applications.

Makrolon UV:

The UV protective surface on the sheet makes this the ideal material for all external glazing applications. It has a manufacturer's warranty of 10 years against weathering and 5 years against breakage.

Makrolon UV Pattern:

Makrolon UV sheet in a range of patterned finishes for obscured glazing. They are also used where the surface may become scratched as the pattern will mask light surface abrasions.

Makrolon AR:

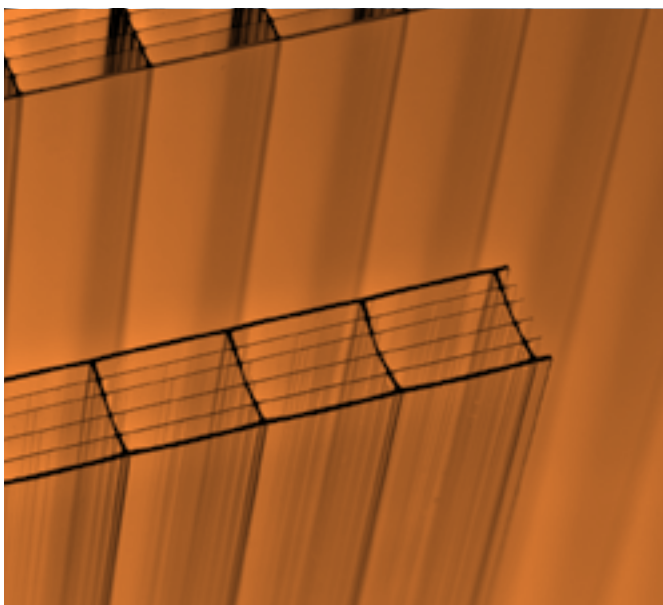
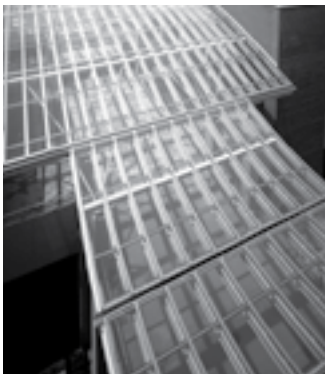
Abrasion resistant surface with UV protection.

Makrolon NR:

Provides an anti-reflective surface.

Makrolon FR:

Where stringent fire ratings are required.



Everlite

Everlite is a quick and easy roofing system generally used on domestic conservatories and lean-to. It is supplied in 2.5, 3, 3.5, 4 or 6 metre lengths that are boxed with all the accessories required to produce a section 1.06 metres wide.

If Everlite is used with aluminium locking bars it can span up to 3 metres without intermediate support and if galvanised steel locking bars are used it can span up to 4 metres without intermediate support.

Everlite is available in ice-blue and cream.

Multi-Link

Multi-Link is a pre-assembled glazing panel comprising of aluminium structural glazing bars with Makrolon multi sheet and is ideal for industrial roofing applications of up to a 4 metre span.

Multi-Link panels are supplied custom made to suit each application. A major benefit of Multi-Link is the speed of installation as each panel will "fix and link" with the next panel and this can cut the installation time by two thirds compared to more traditional glazing systems.

PVC

PVC sheet is rigid, stiff and strong with good impact strength and low moisture absorbency. PVC is inherently flame retardant so has a good fire rating. It has excellent chemical resistance which makes it ideal for glazing and machine guarding in chemical plant.

Trovidur ET is an extruded clear PVC sheet that is easy to fabricate and thermoform so is suitable for roof lights. Trovidur ET may be used for glazing in food processing areas.

Darvic and Cobex are pressed PVC sheets available in clear, opal and a range of tints. Pressed PVC sheets are stress free so they will withstand rigorous cleaning including steam sterilisation. A special grade of Darvic is available for glazing in food processing areas.

Pacton is a high impact grade of pressed PVC sheet.

PLEXIGLAS®

PLEXIGLAS Acrylic sheet is possibly the most versatile thermoplastic available for glazing applications.

PLEXIGLAS has high impact resistance, light transmission superior to glass and an unequalled resistance to weathering and ageing. It also has an exceptionally high quality surface finish.

In addition to clear it is available in an extensive range of opals, transparent and translucent colours and with gloss or satin finish. Anti-reflective, patterned, higher impact and other specialist grades are also available.

PLEXIGLAS GS:

It is manufactured by being cast between glass plates. This produces a very flat sheet with an exceptionally high gloss surface. It is very easy to cut and fabricate and the edges can be highly polished.

PLEXIGLAS XT:

Being an extruded sheet it can be produced in lengths of up to 7.5 metres. It is easy to cut and fabricate and can be easily thermoformed.

Textured PLEXIGLAS:

A range of classic and modern textured finishes in clear translucent or coloured finishes.

PLEXIGLAS Gallery:

UV-absorbing and UV-protecting grade for the glazing of picture and exhibition exhibits.

PLEXIGLAS RESIST:

A range of extruded acrylic sheet that combines the excellent light transmission and weather resistance of PLEXIGLAS sheet with the higher impact strength of polycarbonate.

PLEXIGLAS Corrugated:

A tough corrugated sheet with the performance of PLEXIGLAS RESIST.

Polystyrene

Polystyrene is a clear, opal or patterned sheet which is rigid and dimensionally stable with very good light transmission. It has very low moisture absorbency so can be used in a humid environment such as shower screens.

Unmodified grades will degrade rapidly when used outside so it is primarily used for indoor glazing only.

Polyester

Polyester sheet is a very versatile clear transparent sheet with extreme clarity and light transmission. It offers good impact resistance even at low temperatures and is approved for food contact applications.

Axpet polyester sheet has very good resistance to chemicals and is suitable for cold bending. It is also available in white and translucent white.

Vivak is a co-polyester sheet that is very easy to thermoform and machine. A UV grade of Vivak is readily available.

Accessories

To compliment all of our range of sheet for roofing and glazing applications we supply all the accessories you could require.

Sealant:

A range of sealants and fillers that is compatible with plastics including, mildew resistant, clear, white and coloured. Suitable for wet or dry surfaces and fillers that need no sanding and can be painted.

Glazing Bars:

Whether you need a structural glazing bar or rafter system we have the full suite of glazing bars available with eaves fillers, wall plates, U-profiles and F-profiles.

Tapes and Flashing:

Tapes for sealing edges and breather tapes for the reduction of condensation in Makrolon multi sheet and flashing to ensure secure and water proof joints.

Comparison Table

	Specific Gravity DIN 53479	Light Transmission DIN 5036	Weatherability	Coefficient of Linear Expansion DIN 53752 10-6/p	Fire Rating BS 476	Flammability UL 94
Plexiglas GS	1.19	>92%	Outstanding	70	Pt 7 Class 3	*
Plexiglas XT	1.19	>92%	Outstanding	70	Pt 7 Class 4	*
Plexiglas Resist	1.19	91%	Excellent	70-110	Pt 7 Class 4	*
PVC Extruded (Clear)	1.38	>90%	Good	70	Pt 7 Class 1	VO
PVC Pressed	1.33	approx 80%	Good	67	Pt 7 Class 1	VO
Makrolon Solid	1.2	88%	Excellent	65	Pt 7 Class 1	*
Makrolon Multi	1.2	68 - 76%	Excellent	65	Pt 7 Class 1	*
Everlite	1.38	63%	Excellent	80	Pt 7 Class 2	*

* not tested

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