



PVC
SHEET

Rooflighting and Glazing

marvec**cs** *premium*
marvec**cs** *hi-impact*
marvec**cs** *standard*
marvec**roll**



Plastic Sheets

Rooflighting and Glazing

Marvec CS is a versatile yet cost effective rooflighting and glazing material which offers a unique combination of characteristics which include superior weather resistance, exceptional light transmission, fire performance and excellent durability.

marvec **cs**

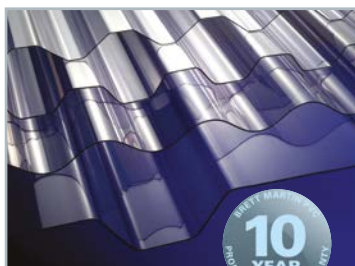
LIGHT IN WEIGHT, **MARVEC CS** IS EASY TO HANDLE AND INSTALL. A WIDE RANGE OF PROFILES, SHEET WEIGHTS, TINT OPTIONS AND A CHOICE OF UV RESISTANCE IS AVAILABLE TO SUIT A VAST ARRAY OF INDUSTRIAL, COMMERCIAL, HORTICULTURAL, AGRICULTURAL AND DIY APPLICATIONS.



There is a range of **3 performance grades** depending on application and budget:

marvecCS premium

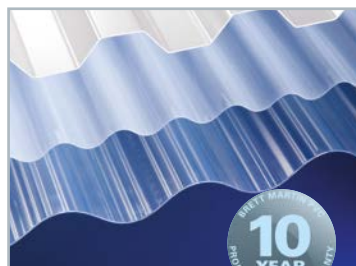
Marvec CS Premium is a high quality corrugated clear PVC sheet which combines superior UV resistance with outstanding clarity and carries a 10 year warranty. Marvec CS Premium is used for industrial, agricultural and DIY rooflighting applications.



WARRANTY

marvecCS hi-impact

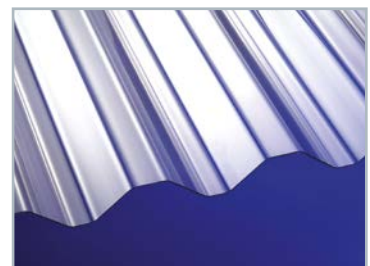
Marvec CS Hi-impact has up to 10 times greater impact resistance than Marvec Premium. This resilient sheet with inherent UV resistance carries a 10 year warranty. It is ideal in adverse climatic conditions where additional protection from e.g. hail damage is a key requirement and is widely used for industrial rooflighting.



WARRANTY

marvecCS standard

Marvec CS Standard is an economical corrugated clear PVC Sheet for DIY applications on a budget.



Material benefits

EXCELLENT UV PROTECTION



Marvec CS offers excellent UV resistance and weatherability in rooflighting and glazing applications. For regions where UV radiation is intense **Marvec CS Premium** or **Marvec CS Hi-impact** can be specified as their inherent UV stability prolongs the life of the sheet for many years as they maintain optical clarity and light transmission levels.

WARRANTY



Marvec CS Premium and **Marvec CS Hi-impact** carry a 10 year warranty as accreditations of their superior durability performance.

TOUGH & DURABLE



Excellent chemical properties ensure **Marvec** resists attack from corrosion and most chemicals, with the exception of solvents. **Marvec CS Hi-impact** has up to 10 times greater impact resistance than **Marvec CS Premium** making it suitable for applications where resistance to breakage and safety are important.

HIGH LIGHT TRANSMISSION



Marvec CS has high optical clarity and in clear form has light transmission in excess of 80%, making it an ideal material for use in rooflights and for glazing. Tinted options include bronze and opal and offer varying degrees of solar control.

SAVING ENERGY



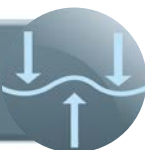
Marvec CS rooflight sheets admit free natural light, reducing the need for artificial light and therefore energy consumption within buildings.

LOW MAINTENANCE SURFACE



The high gloss finish does not support moss, algae or fungus growth, the sheet does not absorb dust, dirt, oil or grease so dirt retention is kept low. The material can be cleaned easily using soapy water to ensure the clarity of the sheet and the high levels of light transmission expected in rooflights and glazing applications.

FLEXIBILITY



Easily cold curved, **Marvec CS** sheets can be curved parallel or perpendicular to their corrugations. Arched roofs, curved walls, barrel vaults are easily constructed to create striking rooflight features.

EASE OF INSTALLATION



Sheets can be easily cut using hand or power tools, the lightweight but robust nature of the sheet makes it simple to handle and install.

EXCELLENT FIRE PERFORMANCE



Marvec CS achieves excellent fire performance classification meeting the highest standards of performance when tested: available certificates attest to performance.



MARVEC CS IS A VERSATILE RANGE OF PVC ROOFLIGHT SHEETS OFFERING PRACTICAL SOLUTIONS IN A WIDE RANGE OF APPLICATIONS.

CONSTRUCTION

Marvec CS is available in a wide range of roofing profiles, tints and thicknesses making it easily incorporated into both new and refurbished roofs to any building.

Good weather resistance and durability ensure years of trouble free service for:	Its exceptional chemical and corrosion resistance make it ideal for:
Sports and recreation facilities	Chemical processing factories
Public buildings	Power stations
Pavilions	Fertilizer works and storage areas
Canopies and walkways	Mining
Offices	Mills
Workshops	Pharmaceutical plants
Factories and industrial buildings	Food manufacturing
Marinas	
Car washes	



HORTICULTURAL

Marvec CS is a suitable material choice for propagating and nurturing young seedlings into healthy plants for maximum fruit, flower and vegetable crop yields. Key qualities to promote this are its high light transmission, impact resistance to guard against the elements and good workability.

It is perfect for:

Greenhouses
Propagation units
Cloches



AGRICULTURAL

Internal Cladding with Marvec CS Agri liner sheets provides a bright building interior, and a surface which allows the frequent sanitary maintenance required by the professional farmer.

The material's glossy finish, flexibility, durability and ease of installation ensure that this is suitable for constructing a wide range of agricultural structures:

Ideal for use as:

Pig Barns
Dairy Farms
Poultry Farms
Kennels
Cow Sheds



DIY

The cost effectiveness of PVC combined with the quality of Marvec CS makes it an exceptional DIY material. It can be cut out and drilled with standard DIY tools to achieve excellent results.

The lightweight but robust nature of the sheet makes it easy to handle.

It can be used for:

Sun houses
Car Ports
Canopies
Porches
Sheds
Skylights
Patio Enclosures
Awnings
Partitions
Gazebos and Pergolas





marvec **CS** premium

PREMIUM CORRUGATED CLEAR PVC SHEET

Marvec CS Premium features inherent stabilisation against UV degradation. This ensures longer life, preventing discolouration and loss of strength. **Marvec CS Premium** has a 10 year discolouration warranty.

Finish:	High Gloss Corrugated Sheet
Profiles:	Wide and growing range which includes most Industrial & DIY profiles
Colour:	Clear (over 80% light transmission) Bronze, Opal. Other options available on request.
Thickness:	0.8mm - 1.5mm
Sheet Sizes:	Width to match roofing profile: length to specification



marvec **CS** hi-impact

HI IMPACT CORRUGATED PVC SHEET

Marvec Hi-impact is specially formulated to offer improved impact resistance, up to 10 times greater than **Marvec Premium** making it suitable for use in more challenging environments where there is added risk of damage.

Ideal applications include areas prone to:

- Accidental damage
- Extreme weather conditions - eg heavy rain, hail storms
- Applications requiring high-impact performance
- Exposure to the environment

Marvec Hi-impact also features UV stability prolonging the life of the sheet. It comes with a 10 year warranty.



marvec **CS** standard

ECONOMICAL CORRUGATED PVC SHEET

Marvec CS Standard is the economical transparent sheet, for DIY, horticultural and agricultural applications which require completion within a tight budget, in less demanding applications and where UV protection is not a necessity.

Finish:	High Gloss Corrugated Sheet
Profiles:	Wide and growing range which includes most Industrial & DIY profiles
Colour:	Clear (over 80% light transmission) Bronze, Opal. Other options available on request.
Thickness:	0.8mm - 1.2mm
Sheet Sizes:	Width to match roofing profile: length to specification



Other Products in the Marvec PVC Range

marvec **CS** *agri*

AGRICULTURAL LINING SHEET

Marvec CS Agri is a high gloss finish white corrugated PVC sheet. It combines high impact resistance, lightness of weight and workability to offer an effective wall or ceiling liner panel livestock, farm produce and farm machinery buildings. Its robust nature allows the frequent cleaning necessary to ensure high levels of sanitation and chemical resistance ensures longevity in harsh livestock environment.

FEATURES & BENEFITS:

Available in thicknesses to suit specification
Chemical and corrosion resistance
Provides excellent sanitary capabilities
Impressive durability
Resists emitted gasses in animal breeding areas
45" sheets are available for faster installation



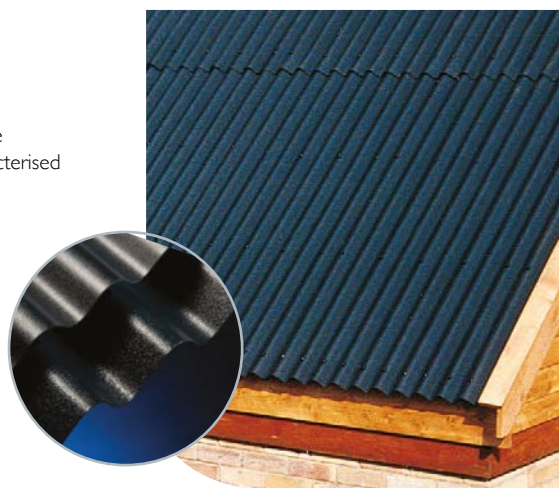
marvec **CSF**

CORRUGATED FOAM PVC SHEET

Marvec CSF is an opaque corrugated PVC Foam sheet which is ideal for a wide range of DIY roofing applications where cost is a key factor. The sheet is characterised by a high recycled material content and is ideally suited to unregulated building projects and installations such as domestic out buildings or enclosures.

FEATURES & BENEFITS:

Available in 76/18 Iron profile or 95x35 Onduline profile, 900mm wide
Light weight and easy to install
Resistant to many chemicals except for solvents
Low maintenance
Easy to handle, cut and drill
Available in black, grey, terracotta and green



marvec **roll**

BULK PVC ROLL

Available in a clear, easy to handle and store bulk roll this is the ultimate choice for many DIY applications where optical clarity and UV resistance are required. It is an ideal, cost-effective option for glazing applications.

FEATURES & BENEFITS:

Bulk roll, in thicknesses 0.8mm - 1.5mm
High light transmission
Weatherable and durable
Excellent fire performance
Corrosion free
Roll lengths 25m, 30m, 35m
Roll widths 1,000mm, 1,250mm, 1,500mm
Marvec Premium and Marvec Standard grades



Working with Marvec PVC

Light in weight, **Marvec CS** is easy to handle and install across a wide array of industrial, commercial, horticultural, agricultural and DIY applications.

STORAGE

Store PVC sheets on horizontal flat surfaces, pallets or wooden bearers with flat surfaces at least 100mm wide placed at centres not exceeding 900mm. **Storage should be indoors as far as possible. Where PVC is stored outdoors it must be protected from the sun, wind and water. Cover securely with an opaque waterproof cover draped over timbers placed on the top of the stack and ensure that the stack is ventilated to prevent heat build up.** Never stack more than 1.2m high. Sunlight is magnified in passing through even a few uncovered stacked sheets, increasing their temperature and leading to distortion and degradation. Water between the sheets accentuates these processes.

CLEANING

Periodic cleaning preserves appearance and ensures optimum performance. Loosen any dried dirt with lukewarm water and wash with a lukewarm soapy water solution using a soft cloth or sponge to gently remove dirt. Repeat this process if necessary, rinse off and dry with a soft cloth. Never use solvents or alkaline cleaners on PVC: do not scrub with brushes or sharp instruments as these will mark the surface. Incorrect cleaning which in any way damages the sheet automatically renders void all warranties.

DRILLING

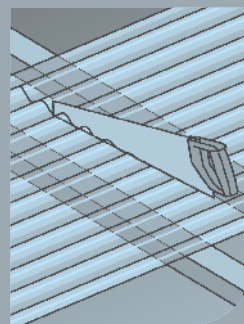
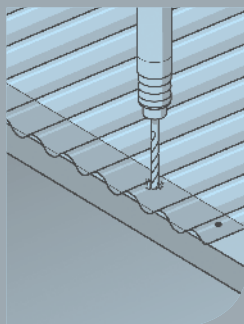
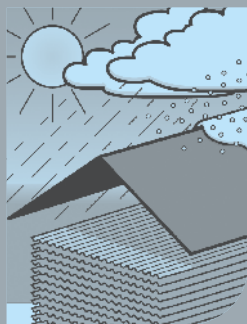
Holes for fixings must not be punched through PVC sheets. Hand and power drills are suitable. Drill holes at a slow speed when using a power drill. Use a masonry bit and support the sheet underneath the hole position to avoid vibration. Holes for fixings should be at least 50mm from the end of the sheet.

HOLE SIZE

To accommodate thermal movement, holes for screws must be 10mm (3/8") diameter for sheets up to 3.05m (10') and 12mm (1/2") diameter for sheets up to 3.66m (12') long. (These figures assume standard PVC fixings are used.) Holes to accommodate nails in Miniature profile should be 6mm (1/4") diameter. **Failure to accommodate thermal movement will cause buckling or cracking of the sheet.**

CUTTING

PVC sheets can be cut with hand or power tools. Hand saws with fine tooth blades e.g. metal cutting blades, are suitable. When cutting a PVC sheet ensure that it is not under any stress and that it cannot vibrate. Support the sheet close to the saw and cut at a shallow angle with slow, steady strokes. Care should be taken when cutting sheets in low temperatures.



Key installation points



PVC SHEETS CAN BE USED ON MANY TYPES OF STRUCTURE.
TO ENSURE SUCCESS THESE GUIDELINES MUST BE FOLLOWED.

- 1 Ensure that any wood preservative used on supporting timber sections is thoroughly dry.
- 2 **Marvec CS PVC rooflights must not be used over dark coloured surfaces or with dark coloured sealants.**
Surfaces of supports immediately under the sheet must be light in colour. If the use of PVC rooflights with a dark coloured roof cannot be avoided, then those areas of the roof sheeting which underlap the PVC sheet should be painted white, ensuring the PVC rooflight is not over a dark coloured surface. All accessory materials should be light in colour, preferably white.
- 3 Roof pitches must be a minimum of 5° (87mm rise per metre) to avoid water ponding on the roof.
- 4 Always use the recommended fixings and drill holes as instructed to permit thermal movement. The minimum number of fixings required across each profile should be as illustrated in the Rooflight Profile Fact Sheet. On eaves, purlins and when structures are exposed to strong winds, fixing frequency should be increased. Fixings should incorporate sealing washers of rubber or plastic. Holes for fixings should be at least 50mm from the end of the sheet. **Never nail or rivet the sheet, avoid over tightening screws.**
- 5 Marvec CS PVC rooflight sheets should be laid so that the side laps are away from the prevailing wind. Use a clear neutral silicone glazing sealant to seal the bottom of end laps.
- 6 Marvec CS PVC rooflight sheets may be used on curved roof structures. The sheets must always be fixed over a central purlin.

For additional information on specific products, profiles and applications please contact the Technical Service Department of Brett Martin Ltd.



Hygienic Cladding

The characteristic smooth, easy clean and durable surface of Marvec make it the ideal cladding material for walls and ceilings.

Moisture, impact and chemical resistance ensure that Marvec continues to perform as a hygienic cladding material in even the most challenging of commercial, agricultural and domestic environments.



marvec fs



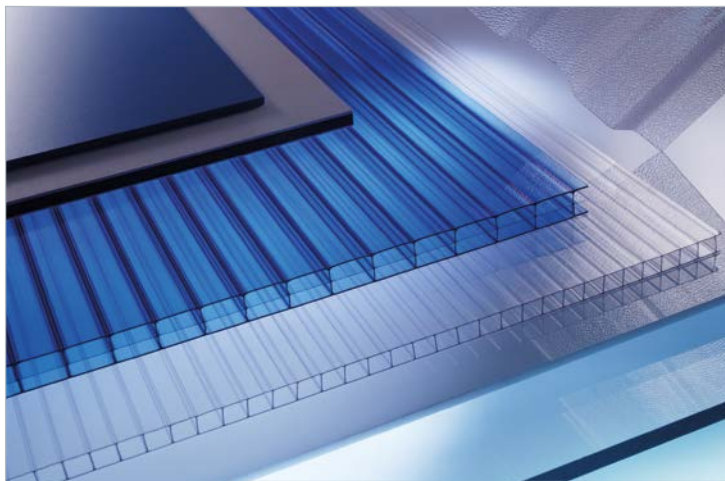
marvec fs ultra



marvec fs bio



marvec cs agri



Brett Martin's plastic sheets product range includes extensive options in foam PVC, polycarbonate, PVC, acrylic, aPET, PETg, SAN and styrene.

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