Rooflighting and Glazing

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

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.

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.

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

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

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

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.

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.

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

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.

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.

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.

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 ensuring years of trouble-free service 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 |
| Marvec: |
| Car washes: |

| Its exceptional chemical and corrosion resistance make it ideal for: |
|---------------------------------|---------------------------------|
| Chemical processing factories: |
| Power stations: |
| Fertilizer works and storage areas: |
| Mining: |
| Mills: |
| Pharmaceutical plants: |
| Food manufacturing: |

**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:

| It is 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: |
| Barns: |
| Sheds: |
| Skylights: |
| Patio Enclosures: |
| Awnings: |
| Partitions: |
| Gazebos and Pergolas: |
Marvec CS Premium

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 Hi-Impact

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.

**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

Marvec CS Standard

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