



CORRUGATED PVC SHEET

Marvec CS corrugated PVC sheet is a range of rooflight and sidelight glazing material ideal for use in cooler temperate climates. Marvec CS is light in weight and easily handled and installed. It provides superior weather resistance, light transmission, fire performance and excellent durability.

A wide range of profiles is available in 3 performance grades for a range of applications: Marvec CS Premium - UV protection and 10 year warranty; Marvec CS High Impact - 10 times more impact resistance than Marvec CS Premium; Marvec CS Standard - economy sheet.



marvec CS

OPTIONS

- **Thicknesses:** 0.8mm-1.5mm
- **Tints:** Clear, Bronze, Opal
- **Performance Grades:** Premium, Hi Impact, Standard

MAIN BENEFITS

- High optical clarity
- Chemical resistance
- Excellent fire performance
- Weatherable and durable
- Lightweight and easy to handle
- Low maintenance
- Economical
- High impact option
- Match any metal roof profile
- UV protection
- 10 year warranty*

*Applies to Marvec CS Premium and High Impact sheet.

APPLICATIONS

- Factories
- Warehouses
- Farm Buildings
- Greenhouses
- Canopies
- Walkways
- Patio Covers
- Pergolas
- Vertical Galzing



Plastic Sheets

PHYSICAL PROPERTIES

PROPERTIES	TEST METHOD	VALUE	UNITS		
Physical Characteristics	Specific gravity	DIN 53479	1.38 – 1.42	g/cm ³	
	Water absorption	DIN 53495	0.15	%w/w	
Thermal Properties	Linear thermal expansion	DIN 53752	6.8 × 10 ⁻⁵	m/m°C	
	Thermal conductivity	DIN 52612	0.16	W/m°C	
	Softening point	DIN 53460	72 - 74	°C	
	Deformation temperature at load	ASTM D648	64 - 65	°C	
	Melting point		>120	°C	
	Service temperature range		-20 to +60	°C	
Mechanical Properties	Tensile strength at yeild	DIN 53455	58 - 62	MN/m ²	
	Elongation at break	DIN 53455	>100	%	
	Elastic modulus	DIN 53455	0.3	GN/m ²	
	Impact resistance		DIN 53448	15	kN/m
			(Marvec HI)	155	kN/m ²

ACCESSORIES



Flashing tape



Foam fillers



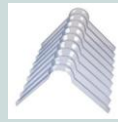
Silicone



Fixings



Wall flashing



Ridge pieces

CHEMICAL RESISTANCE

Marvec CS Corrugated PVC sheet

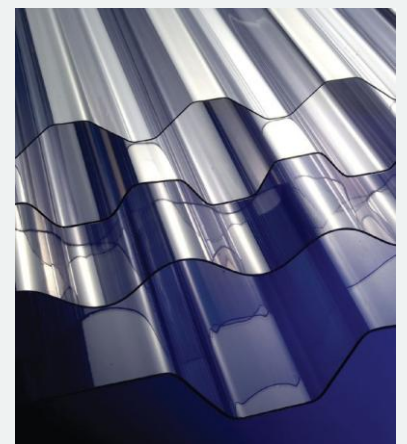
- Excellent resistance to most chemicals including dilute acids and alkalis.
- Good resistance to alcohols, glycols and most cleaning solutions.
- Contact with solvents and wet wood preservatives must be avoided.

SERVICE TEMPERATURE

The service temperature range of Marvec CS is -20-+60°C. Greater care should be taken when working with PVC sheet at lower temperatures: PVC is less resistant to impact damage at lower temperatures.

PRODUCT RANGE

PRODUCT	PRODUCT DESCRIPTION
Marvec CS Premium	Premium Corrugated PVC Sheet
Marvec CS Hi Impact	Hi Impact Corrugated PVC Sheet
Marvec CS Standard	Economical Corrugated PVC Sheet
Marvec CS Agri	Agricultural Lining Sheet
Marvec CSF	Corrugated Foam PVC Sheet
Marvec Roll	Bulk PVC Roll
Marvec FS	Flat PVC Sheet
Marvec FS Ultra	Gloss PVC Cladding
Marvec FS Bio	Hygienic PVC Cladding



FIRE PERFORMANCE

Marvec CS will in most cases achieve the following classifications

TEST METHOD	CLASSIFICATION
EN11925-2, EN13823	B,s1-d0 (EN13501-2)

Testing in accordance with European National test methods has also produced high classifications. For the most up-to-date information please contact the Technical department.

WARRANTY



Applies to Marvec Hi-Impact and Marvec Premium Sheet

Marvec PVC sheet range is available in a choice of corrugated and flat options for use in a wide range of rooflights or cladding applications. Visit the website for further details.

REMEMBER



Plastic Sheets

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OTHER

