



GLOSS PVC WALL AND CEILING CLADDING

Marvec FS Ultra is a rigid closed cell foam PVC sheet which incorporates a superb gloss finish, which not only creates a striking feature for interior cladding applications but provides a clinically clean appearance. This pristine white gloss surface is impervious to dirt and grime and can be easily cleaned. Marvec FS Ultra is both hardwearing and durable and is suitable for a range of budget interior cladding applications.



marvec fs *ultra*

OPTIONS

Colour	White
Finish	Gloss
Thickness	3mm
Sheet sizes	2440 x 1220mm 3050 x 1220mm

MAIN BENEFITS

- Hi gloss finish
- Easily cleaned
- Lightweight – easy to transport, handle and install
- Low maintenance
- Impact resistant
- Chemical resistance
- Excellent fire performance
- Non porous does not harbour/absorb any microbial material
- Abrasion resistant
- Suitable for fabrication and vac forming
- Opportunities to screen or digitally print or CNC router
- Cost effective
- Low thermal conductivity

APPLICATIONS

Wall and ceiling cladding for

- Clean rooms
- Canteens
- Fast food outlets
- WC's, bathrooms and showers
- Car wash areas
- Decorative panels
- Shop outfitting
- Vac forming
- Branded backdrops within office environments
- Not suitable for food contact uses



Plastic Sheets

PHYSICAL PROPERTIES

PROPERTIES AND TEST METHOD	VALUE
Moisture Absorption: DIN 53495 (24hrs @ 23° C)	<0.25% (by weight)
Vicat softening point: DIN 53460	76°C
Thermal Expansion Coefficient: DIN 53752	0.068mm/m°C
Impact Resistance (Charpy test, un-notched): DIN 53453	15kJ/m ²
Shore Hardness: DIN 53505	70-75
Tensile strength at yield: DIN 53455	16MPa
Flexural strength: DIN 53452	27MPa
Modulus of elasticity: DIN 53457	0.9MPa

FABRICATION

Marvec FS Ultra is a versatile material with a high strength to weight ratio that can be easily worked with, using the standard tools used for plastics, wood and metal.

Cutting – using a cutting knife or a straight, finely serrated blade mounted on a hand-saw, band saw, disc (circular) saw or jig-saw. It is also suitable for drilling, milling, routing and guillotining..

Fastening - Panels can be fixed to supporting structures using screws, adhesive tapes and adhesive compound. Joints between panels and from panels to adjacent surfaces, floors, walls, ceilings are effected using purpose made extrusions.

Bonding – can be bonded to itself and other materials using a variety of adhesives.

Drilling – can be drilled using drills suitable for metal or other plastics.

Welding – either by hot air welding or butt welding

THERMOFORMING

Marvec FS Ultra can be thermoformed into complex shapes without deterioration of surface aesthetic or physical properties.

Hot Line Bending - can be folded on a simple jig fitted with a forming tool having a radius of about two and a half times the sheet thickness.

Drape Forming – by softening a panel to an elastic state, draping over an appropriately shaped pattern and retaining it until cooled and rigid.

CHEMICAL RESISTANCE

Marvec FS Ultra, is highly resistant to many chemicals including dilute acids and alkalis, and to atmospheric pollutants. Contact with solvents and wet wood preservatives must be avoided. It will not corrode or rot and is not prone to attack by pests.

CLEANING

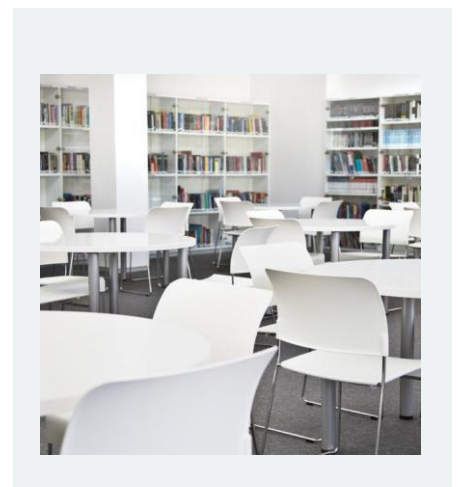
Non abrasive domestic cleaning solutions are suitable for cleaning Marvec FS Ultra.

SERVICE TEMPERATURE

The service temperature range of Marvec FS Ultra is -20°C to +60°C. Greater care should be taken at lower temperatures as PVC is less resistant impact damage. It should not be installed near to heat sources, such as cookers or heating boilers as these could cause distortion and damage.

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 FS Ultra typically achieves Class 1Y Surface Spread of Flame Classification and is tested to BS476: Part 7. Testing in accordance with other European fire testing methods has also produced high classifications. Contact the Technical department for most up to date information.

REMEMBER

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.



Plastic Sheets

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