

UV Patch - 308149

Technical Data Sheet

Technical Information

Cedesa UV Patch is a UV Curing GRP (Glass Reinforced Plastic) Laminate containing high grade Isophthalic Polyester resins, fillers and glass re-inforcements which has been formulated to ensure excellent protection against corrosion, abrasion, impact and aggressive climatic environments.

Cedesa UV Patch is suitable for use on a wide range of substrates including steel, concrete, GRP, FRP, PVC glass and wood. The product is supplied on rolls and in its uncured state is a soft, maleable, easy to use material ready for application. The material can be easily cut to any shape using knives or scissors. Once fully cured the UV Patch also provides top quality fire retardancy and low smoke emissions if exposed to flame.

Cedesa UV Patch is highly recommended for use as protection to all types of insulation and also as a nonmetallic cladding product. The ability to offer user friendly, one component, fast curing, seamless on site applications has attracted many clients to use this UV Curing technology.

Typical Applications:

- § All types of Insulation Protection
- § Storage Tanks
- § Pipe Support Protection
- § Roofs
- § Flooring
- § Water and Weatherproofing
- § General maintenance
- § And many others....

Product Data

Appearance	Sheet Lamination
Colour	Grey
Mix Ratio	One Component
Curing Mechanism	Ultra Violet (UV). Natural or UV Lamp
Material Thickness	1.7 - 1.9 mm.
Weight	2.9kg/m ²

Technical Data

	Typical Values	Test Method
Tensile strength	55 Mpa	BS 2782 - 1994
Flexural strength	> 130 Mpa	ASTM D790 - 03
Flexural Modulus	5.98 Gpa	ASTM D2344
Elongation at break	> 3%	BS 2782 - 1994
Coeff. Of Thermal expansion	2.9 10 ⁻⁵ Degree C	ASTM D696-03
Impact resistance	> 60 Kj/sqm	BS EN ISO 180
Hardness	> 60 Barcol	ASTM D2583-01
Compression strength	> 200 Mpa	ASTM D695-2002a
Adhesion to steel	> 14 Mpa	ASTM D4541-02
Water Vapour Permeability	0.28g/m ² /24h/mmHg	ASTM E96
Heat distortion	> 145 Deg C	ASTM D648
Fire rating	Class 1	BS 476 pt 7:1997, ASTM E84

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		Typical Values (cont.)	Test Method (cont.)
Flash Point		> 32 Deg C	ASTM D93
Heat resistance	Wet:	90 deg C	
	Dry:	200 Deg C	
Chemical resistance		Good.	
 Electrical Properties:			
Dielectric strength:		9KV/mm	IEC 243
Arc resistance:		Greater than 180 seconds	ASTM D495
Tracking resistance:		Greater than 600 volts	IEC 112
Insulation resistance:		10 to the power of 13 ohms	IEC 93

Handling / Storage

- Working life - Vigilant care should be taken to shield the UV Patch from direct sunlight or UV lamps during application as this will greatly reduce the working life of the material.
- Environment - Under no circumstances should the UV Patch be applied in wet conditions or on wet substrates.
- Safety Precautions - Please refer to the product Material Safety Data Sheets for detailed information on handling, shipping and disposal.
- Storage - Store in cool, dry conditions (not more than 25 Deg C). Avoid storage near any heat source or sunlight. Always store material horizontally in its original packing. Boxed material should be rotated 180 deg. every 30 days for optimum condition.
- Shelf Life - 12 months when stored as per manufacturers instructions.

Important Note

Whilst all reasonable care is taken in compiling technical data on the company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company. It is the customer's responsibility to satisfy himself that each product is fit for the purpose for which he intends to use it, that the actual conditions of use are suitable and that in the light of continued research and development the information relating to each product has not been superseded.

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