

Tradesmans Choice

MF25

ELECTRICIAN

Professional Sealant



Technical Data Sheet

DESCRIPTION

MF25 Electricians is a one part high quality sealant offering excellent primerless adhesion, weatherability and elasticity for general glazing and sealing applications.

APPLICATIONS

MF25 Electricians is suitable for:

- Electrical sealing and insulation
- Metal, Tiled and Colorbond® roofing systems
- Metal water tanks
- Gutters
- Flashing/ Spouting and Downpipes
- Sky Lights, metal and PVC flues
- Air conditioning ducting
- Sheet metal fabrications
- General purpose applications (see below suitable substrates)

Substrates:

- Galvanised Iron
- Glazed Tiles
- Sheet Metal
- Aluminium
- Glass
- Most Plastics
- Wood
- Concrete
- Ceramic Stone

ADVANTAGES

- Excellent adhesion to a wide variety of substrates
- Suitable for indoor and outdoor applications
- ±25% joint movement capability
- Fast curing
- Low odour
- UV stable
- Waterproof
- Neutral cure
- Highly flexible
- Industrial Use

PRODUCT CHARACTERISTICS

Colour	Translucent	
Appearance	Thixotropic, non sag paste	
Curing Method	Neutral cure	
Service Temperature	-40°C to +90°C	
Product Code 300ml Cartridge	Translucent	53TET

TYPICAL PROPERTIES

Movement Capability	± 25%
Elongation @ Break	700%
Skinning Time	2-15 minutes @ 25°C, 50% Relative Humidity
Rate of cure	>3mm in 24 hours >6mm in 7 days
Recovery Elastic	>90%
Shore A. Hardness	32
Sag	<1mm
Extrudability	300g/min.
Specific Gravity	1.0g/mL (Translucent) 1.45g/mL (All other colours)
Tensile Strength	1.3MPa (approx.)
Application Temperature	+5°C to +45°C
VOC Rating	Low VOC

NOTE: All data provided is based on 25°C and 50% Humidity Conditions & fully cured after 21 days.

INSTRUCTIONS FOR USE

Read and understand the Safety Data Sheet before using this product. SDS can be acquired by visiting www.macsim.com.au.

Surface Preparation

Surfaces must be clean and dry, as well as free of wax, grease, dust and any other foreign materials so that the seal is not compromised.

Priming

It is advisable to conduct preliminary adhesion tests on substrates where the application is critical or if the adhesion performance is unknown. Alternatively consult Macsim for more information.

Applications Instructions

Cut nozzle at a sharp angle slightly wider than the desired Bead or joint width. If being installed as a joint sealant, always use a suitable backing rod to ensure the correct depth is achieved. Extrude sealant with a caulking gun and make sure nozzle is in contact with both sides of joint. Tool off within a few minutes before skin forms. Remove excess sealant immediately using M.E.K or Torulene. Any cured sealant can be removed using a spatula, scrapper or solvent.

Limitations

Electricians is not suitable for the following applications

- Surfaces where bleeding can occur such as marble, granite and other natural stone.
- Submerged joints such as swimming pools or aquariums.
- Structural or insulated glazing.
- Various plastics such as polyethylene, polypropylene and Teflon.

Note: Electricians cannot be painted.

Curing

Cure speed is dependent upon the temperature, humidity, depth of sealant and substrate. Typically, a joint will form a firm skin in one hour and takes up to seven days to fully cure. In cold weather curing time may be longer.

Shelf Life

12 months shelf life when stored in a dry environment and between +5°C and +25°C.

Cleaning

Remove excess uncured adhesive with a sealant spatula immediately. Cured adhesive can be removed with M.E.K or Torulene.

HEALTH & SAFETY

Safety

Electricians is non-hazardous. If poisoning occurs, contact Poisons Information Centre: Australia: 13 11 26; New Zealand: 0800 764 766.

For more information and advice on the safe handling, storage and disposal of this product refer to the Safety Data Sheet. The can be acquired by visiting www.macsim.com.au

DISCLAIMER

The information in this Technical Data Sheet (TDS) is based on our present knowledge to the date of the publication. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. It is only a guide for safe handling, use, storage, transporting and disposal of the product.