

Tradesmans Choice

MF45

PLUMBERS (ROOF & GUTTER)

Professional Sealant

Technical Data Sheet

DESCRIPTION

MF45 is a one part Neutral cure (non-acidic) silicone sealant. It is a general purpose silicone sealant designed for applications where long term reliability is required. It is unaffected by high and low temperatures and its superior physical properties are retained after many years of exposure.

APPLICATIONS

MF45 has potable water approval. Suitable for sealing roofing - coated steel, aluminium, flashing, spouting, guttering, metal water tanks, metal lap joints, wall cladding, masonry ceramic tiles, cement roof tiles, air-conditioning units, RV and transport body building.

Substrates:

- Glass
- Metal
- Flashing
- Masonry
- Ceramics

ADVANTAGES

- Neutral curing system
- One part ready to use
- Fast curing
- Outstanding weatherability
- Excellent adhesion
- Easy Application
- AS4020 potable water approved
- No slump
- Low VOC

PRODUCT CHARACTERISTICS

Colour	Translucent & Grey	
Appearance	Silicone Sealant	
Curing Method	Oxime (Neutral)	
Service Temperature	Up to 150°C	
Product Codes 300ml Cartridge	Translucent	53TPT

TYPICAL PROPERTIES

Dynamic Joint Movement	±25%
Cure Time	24 - 48 hours
Skinning Time	10min
Operating Temperature	-62°C to 180°C
Hardness (ASTM D2240)	28 Shore A
Sag	Non - Slump (0.1%)
Specific Gravity	1.04
Tensile Strength (MAX)	1.7MPa

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

All surfaces must be clean, dry, sound and free from dust, oil, rust or any other contamination. Metals should be cleaned with a non - oily solvent. Solvent should be wiped from the surface with a clean dry cloth. For plastics contact the manufacturer for a recommended cleaning solvent..

Applications Instructions

Cover joint edged with masking tape for a better finish. Cut nozzle at a sharp angle slightly wider than the desired bead or joint width. Extrude sealant with sealant gun. Tooling time is 10 minutes. Remove masking tape immediately after tooling before skin forms. Uncured sealant should be cleaned off non porous surfaces while in the uncured state.

Limitations

MF30 Plumbers is not recommended for use: On submerged joints where porous substrates permit water to the bond interface. For certain rubber products where bleeding of plasticiser may occur. In horizontal walkways where sealant will be subject to abrasion. Cannot be painted, as paint will not adhere to sealant. Should not be applied when substrate surface exceeds +50°C. Not recommended for use on polycarbonate plastic.

Curing

Cure speed is dependent upon the temperature, humidity, depth of sealant and substrate. Typically, a joint will form a firm skin in 10 minutes and takes up to 2 days to fully cure. In cold weather curing time may be longer.

Shelf Life

The shelf life of MF45 Plumbers is 12 months if stored in a cool dry place. The storage temperature should not exceed 25°C as this will decrease shelf life.

Cleaning

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

HEALTH & SAFETY

Safety

If poisoning occurs, contact Poisons Information Centre: Australia: 13 11 26; New Zealand: 0800 764 766. Read label before use. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace.

First Aid

Wash contaminated clothing before reuse. In case of fire: Use alcohol resistant foam or normal protein foam for extinction. SKIN: Wash with plenty of soap and water. EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.

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.