



Fosroc® Coolroom Mastic

Economical, non-skinning mastic sealant for coolroom panels

Uses

Factory or site sealings of cold store components, refrigerated containers, insulation panels and other applications requiring a non-skinning permanently plastic sealant.

Advantages

- Excellent low temperature performance
- Remains flexible
- Non corrosive
- Odourless
- Non-tainting
- Easy to apply

Description

Coolroom Mastic is a permanently plastic sealing compound, formulated from a blend of resins, fillers, pigments and surface-active agents, diluted with a virtually odourless hydrocarbon solvent. After the solvent has fully evaporated, Coolroom Mastic is odourless, water resistant, imparts no taint to food products and is compatible with all metals and coating systems likely to be encountered in refrigeration and coolroom applications.

Coolroom Mastic will not stain materials used in refrigeration assemblies. Materials tested include porcelain enamel, anodised aluminium, ethyl cellulose, white synthetic enamel, white polystyrene, etc.

Coolroom Mastic like any non-skinning mastic, is not designed for use in joints directly exposed to the weather, nor for use in continually moving joints.

Design Criteria

Coolroom Mastic is used to seal butt joints between adjacent panels in thermally insulated structures. The permanently plastic nature of Coolroom Mastic ensures sealant will tolerate normal movements or vibrations between components. Well designed coolrooms and similar structures have only minor differential movement between panels, thereby avoiding continuous cyclic movement which could 'pump' mastic sealants from joints.

Properties

Data quoted are typical for this product but do not constitute a specification

Form:	Easy applied, non-slump paste
Colour:	White
Physical or chemical change:	Solvent loss
Application temperature:	5°C - 40°C
Service temperature:	Minus 30°C to 50°C. Will not harden or embrittle in air @ 65°C for 72 hours
Water resistance:	No component separation after water immersion at 20°C for 72 hours
Corrosion:	No corrosion of aluminium, copper or steel after 1000 hours at 40°C, 100% relative humidity

Application Instructions

Preparation

Surfaces should be clean and dry, free from any dust, oil, grease or other contamination. Coolroom Mastic is applied to one surface then components combined and fixed. Allow sufficient time for solvent to evaporate before putting assembly into service. It is advisable to test first under normal use conditions to determine suitability for a specific application.

Application

The non-skinning nature of Coolroom Mastic allows long open times between application of sealant and combination of components, provided the sealant is fully protected from any exposure to airborne dirt or dust. Finished assemblies should have all sealant surfaces protected to eliminate dirt pick-up.

Cleaning

Most organic solvents may be used to clean up excess sealant, or to clean equipment etc. Suitable solvents include Solvent 10 and mineral turpentine. Where polystyrene foam insulation may be contacted only use a clean soft cloth and ensure no aromatic solvents come in contact with the foam.

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Estimating

Packaging

Coolroom Mastic is available in 300 ml cartridges.

Quantity estimation

Each 300 ml cartridge will seal approximately 15 metres of a 5 mm diameter bead.

Storage

12 months in original sealed container, under cool dry conditions.

Important notice

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.



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