

High performance, paintable joint sealant.

Uses

Seal moving or static joints in building facades and general construction such as;

- Precast or insitu concrete
- Curtain walls and lightweight cladding
- Tilt-up slabs
- Brick and blockwork
- Most building materials
- Suitable for foot traffic with the appropriate joint design and backing rod

Advantages

- Easy to extrude – even at low temperatures
- 50% joint movement capability
- Outstanding weathering and UV resistance to maintain colour and integrity
- Excellent primerless adhesion to concrete, timber, masonry, aluminium, metal and ceramics
- Will not stain masonry or other surfaces
- Blister free cure in high humidity or on damp (surface dry) surfaces
- Low odour and very low VOC 15g/L
- Isocyanate free

Description

Emer-Seal Joint Sealant Paintable is a high performance joint sealant, which is paintable with water based coatings. It offers the weathering and adhesion performance of a silicone sealant together with the toughness and the stain-free properties of a polyurethane sealant.

Design Criteria

Emer-Seal Joint Sealant Paintable may be applied in joints with a minimum width of 5 mm. The sealant Width to Depth ratio should be 1:1 for joints up to 10mm wide, kept at a minimum of 10mm for joint widths between 10mm and 20mm, and 2:1 for joint widths greater than 20mm. Install backing rod in joint to control sealant depth.

Properties

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

Form:	Smooth, non-slump paste
Colours:	Grey
Skin time:	65 mins @ 23°C and 50% RH
Tooling Time:	35 mins @ 23°C and 50% RH
Cure time at 25°C:	>2mm / 24h @ 50% RH
Typical hardness (shore A):	34
Joint Movement Capability:	Total 50% (± 25%)
Elongation at break:	520%
Modulus @ 100%:	0.75 MPa
Continuous service temperature range:	-15 to 70°C
Specific Gravity:	1.45

Maintenance

There are no special requirements, however, any damage found during routine inspections should be cut out and replaced.

Application Instructions

Preparation

Joint surfaces must be clean, dry (no free water) and free from frost. Remove all dirt, laitance, loose materials and foreign matter. Remove all rust, scale and protective lacquers from metal surfaces. Non-porous surfaces should be degreased using solvent. In all joints a bond breaker must be used to prevent sealant contact with the back of the joint, to allow optimum sealant performance. In shallow joints self-adhesive polyethylene tape can be used.

Priming requirements

Excellent adhesion can be gained on concrete, timber, metals, ceramics, brickwork and most coating surfaces without the use of primers.

Gun Loading

Emer-Seal Joint Sealant Paintable is applied using a suitable sausage gun. Insert the sausage into the gun, cut a slit at the top of the sausage, replace the end cap and nozzle and apply the sealant.

Application

Extrude the sealant firmly into joint to ensure complete contact with joint faces. Tool the sealant into the joint.

Cleaning

Clean tools immediately after use with an alcohol based solvent.

Emer-Seal® Joint Sealant Paintable

Limitations

Do not apply to bituminous surfaces nor allow bitumen to contact the sealant. Do not apply to wet surfaces

Paintability

Emer-Seal Joint Sealant Paintable is paintable with water based paints typically after a thick skin has been allowed to develop. Painting can actually be performed as soon as the sealant has skinned but there is a risk of damaging the sealant. For best results painting should be done no later than 7 days after sealant application. Prime the surface of the sealant with waterbased paint prior to using solvent based paints (eg. enamels). The flexibility of coatings being applied over Emer-Seal Joint Sealant Paintable should also be taken into consideration to ensure the coating can accommodate the expected movement in the joint.

Supply

Supply 600 ml sausages, 12 per carton.

Product Code

FE320602-600ML Emer-Seal Joint Sealant Paintable

Coverage

On average one 600 ml sausage will supply 12 metres of 10 mm x 5 mm sealant bead.

Storage

Shelf life 12 months. Store in a cool dry place.

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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