

## High performance, fast curing, paintable joint sealant

### Uses

Use on concrete, brick, blockwork and most building materials such as timber, metals and ceramics.

Paintable with water based coatings.

### Advantages

- Fast curing
- Primerless adhesion to concrete, timber, masonry, aluminium, metal and ceramics
- Excellent long term colour retention
- Trafficable
- +/- 20% joint movement capability
- Excellent weathering and UV resistance
- Will not stain masonry surfaces
- Will not stain or discolour overcoated waterbased paint
- Easy to extrude – even at low temperatures
- Blister free cure in high humidity or on SSD (Saturated Surface Dry) surfaces
- Low odour and low VOC 12g/L
- Isocyanate free

### Design Criteria

Emer-Seal Paintable FC may be applied in joints with a minimum width of 5mm. 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.

### Specification Clause

Where so indicated on the drawings joints are to be sealed using Emer-Seal Paintable FC, as supplied by Emer.

The sealant must be capable of +/-20% joint movement, have an elongation at break equal or greater than 340%, Shore A hardness in the range of 40-45 and a maximum tensile strength of 1.35 – 1.5 MPa. Joints must be prepared and primed where required in accordance with the current technical data sheet.

## Properties

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

<b>Form:</b>	Smooth, non-slump paste
<b>Colours:</b>	Grey and White
<b>Skin time:</b>	50 mins @ 23°C and 50% RH
<b>Tooling Time:</b>	25 mins @ 23°C and 50% RH
<b>Cure time at 25°C:</b>	>2mm / 24h @ 50% RH
<b>Typical hardness (shore A):</b>	42
<b>Joint Movement Capability:</b>	Total 40% (+/- 20%)
<b>Elongation at break:</b>	340%
<b>Modulus @ 100%:</b>	1.15 MPa
<b>Continuous service temperature range:</b>	minus15°C to 70°C
<b>Specific Gravity:</b>	1.49
<b>VOC content:</b>	12g/L (ASTM D3960)

## 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, surface dry (no free water) and free from frost. Remove all dirt, 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.

### Gun loading

Emer-Seal Paintable FC 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® Paintable FC

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## Limitations

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

## Paintability

Emer-Seal Paintable FC 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 Paintable FC should also be taken into consideration to ensure the coating can accommodate the expected movement in the joint.

## Supply

Emer-Seal Paintable FC is supplied in 600ml sausages.

Emer-Seal Paintable FC Grey	FE320603-600ML
Emer-Seal Paintable FC White	FE320604-600ML

## Coverage

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

## Storage

Emer-Seal Paintable FC has a shelf life of 12 months when kept in its original, un-opened packaging and stored in dry conditions between +10°C and 25°C with 55% relative humidity, away from direct sunlight and moisture.

## Important information

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Emer website. 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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