

Description

Centrecoat MMA Joint Seal is a light grey, two pack, pourable, flexibilised methacrylate sealant. The consistency of the mixed sealant allows direct pouring of the sealant into horizontal joints. Centrecoat MMA Joint Seal is hard and tough enough to protect arris edges from heavy wheel loading, but possesses sufficient flexibility to accommodate a degree of movement (10% of the joint width).

Centrecoat MMA Joint Seal is particularly suitable for filling saw cut joints in long strip floor construction. Also suitable for sealing floor joints in food factories and warehouses where heavy vehicular trafficking occurs.

Features

- Excellent adhesion to concrete
- Tough and resilient
- Suitable for wide joints
- Highly resistant to water
- Easy to apply
- Fast curing, even at very low temperatures
- Hygienic and easily cleanable

Colour

Available in Light Grey. Tintable to RAL colours on request.

Joint Design

When using Centrecoat MMA Joint Seal, the joints shall be designed to ensure that concrete movement due to shrinkage and temperature fluctuations does not exceed 10% of the joint width. For joints up to 12mm wide, the depth of sealant should be equal to the width. For joints over 12mm wide the depth of the sealant should not exceed 20mm. Joints over 25mm wide are permissible with Centrecoat MMA Joint Seal.

Preparation

New concrete floors shall be a minimum of 21 days old. Joint surfaces shall be sound, clean and free from laitance, dust and other contaminants. Joint arrises are best prepared by grinding or power wire brushing, ensuring that all spoil and residual dust is removed by blowing with dry, oil free, compressed air. For best results, prime the joint edges using Centrecoat MMA Joint Seal and allow to cure for a minimum of 45 minutes. Debonding tape should be used in the base of the joints otherwise a polyethylene foam backing strip should be inserted to the appropriate depth.

Mixing

Centrecoat MMA Joint Seal is supplied as a two pack material consisting of the BASE component, and the CATALYST component. Pour the entire contents of the CATALYST container into that of the BASE component, and thoroughly mix until a uniform consistency has been achieved.

Application

The mixed material may be poured directly into the prepared joints to level. Alternatively Centrecoat MMA Joint Seal may be poured into empty cartridge tubes and gunned into the joints using a sealant gun. It may be necessary to top up to level after a few minutes when the sealant has settled into irregularities.

Technical Data

- Pot Life: 20 minutes at 20°C
- Specific Gravity: 1.25
- Shore A Hardness: 70
- Temperature Range During Application: -30°C to 40°C
- Temperature Range During Service: -40°C to 50°C
- Chemical resistance: Excellent resistance to dilute acids and alkalis, oil, petrol, diesel, vegetable oils, and fruit juices.

- Full Traffic Ready: 1 hour at 20°C
- Full Chemical Resistance: 24 hours at 20°C

- At lower temperatures cure times will be increased. Pre-accelerated grades of the material can be provided for sub-zero application.

Coverage Rate

A 1 litre pack of sealant is sufficient for 10 linear metres with a 10mm x 10mm joint.

Clean Up

Clean equipment with **Centrecoat MMA Tool Cleaner** immediately after use.

Storage

Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 20°C. Adequate ventilation of the storage area should be provided. Keep container tightly closed when not in use

Shelf Life

Centrecoat MMA Joint Seal has a minimum shelf life of 6 months when stored in original, unopened containers in accordance with manufacturer's instructions.

Packaging

Available in 1 and 2 Litres

Limitations

Do not apply to wet or uncured concrete. Centrecoat MMA Joint Seal will taint food during application, so that all foodstuffs in the immediate vicinity must be removed or properly covered.