

JOINTSEAL

Description

Jointseal is a light grey, two pack, pourable, flexibilised Epoxy sealant. The consistency of the mixed sealant allows direct pouring of the sealant into horizontal joints. Jointseal 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). Jointseal is particularly suitable for filling saw cut joints in long strip floor construction.

Typical Uses

To seal floor joints in food factories and warehouses where heavy vehicular trafficking occurs.

Advantages

- Excellent adhesion to concrete
- Tough and resilient
- Suitable for wide joints
- Highly resistant to water
- Easy to apply
- Fast Curing
- Hygienic and easily cleanable

Typical Properties

Colours: Light grey
Pot Life: 1.5 hours @ 20C
s.g. 1.32
Shore A hardness: 75

Chemical resistance:

Very good resistance to dilute minerals acids, alkalis, petrol, oils, milk, citric acid, hydraulic fluid, hot water.

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PROCEDURE

1) Surface 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.

De-bonding tape should be used in the base of the joints otherwise a polyethylene foam backing strip should be inserted to the appropriate depth.

2) Mixing

Pour the entire contents of the CURING AGENT container into that of the BASE component, and thoroughly mix until a uniform consistency has been achieved. A low speed electric drill with epi-mixer paddle is recommended for mixing.

3) Application

The mixed material may be poured directly into the prepared joints to level.

Alternatively, Jointseal 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.

4) Equipment Cleaning

Clean all equipment, immediately after use, with Toolclean.

5) Curing

Jointseal will have cured sufficiently following 24 hours cure @ 20C to allow trafficking. Full chemical resistance will be achieved following 7 days cure @ 20C. At lower temperatures cure times will be increased.

6) Packaging

Jointseal is supplied in 1 litre and 2 litre packs.

7) Coverage

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

8) Storage and Shelf Life

Store in dry, frost free conditions, out of direct sunlight at temperatures of 10C - 25C.

Jointseal has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturers instructions.

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9) Limitations

Do not apply to wet or uncured concrete surfaces.
Do not apply at temperatures below 3C.

10) Health and Safety

Avoid contact of the material with skin and eyes.
Wear appropriate gloves, overall, and eye protection during use.
Wash splashes off the skin using soap and water.
Any eye contamination must be rapidly irrigated with copious amounts of clean water and immediate medical attention sought.
Please refer to the Material Safety Data Sheet for additional information.
Jointseal shall be applied strictly in accordance with the instructions of the manufacturer.

Joint Design

When using Jointseal 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 Jointseal.