CONTROL JOINT & FLEXIBLE SEALANT

FOR SEALING CONSTRUCTION CONTROL JOINTS (D5-070)

DESCRIPTION

EPIREZ® Control Joint Sealant is specifically designed for sealing construction and control joints in concrete.

The product is designed to absorb the shock of mechanical stress and traffic and will withstand up to 10% total joint movement. When applied to most clean joint surfaces, no primer is required.

EPIREZ® Control Joint Sealant is self-levelling and will flow smoothly into grooves without tooling.

INTENDED USE

- Warehouse floors
- Plaza promenade decks
- Ramps / driveways
- Parking structures
- Factory floors

PRODUCT FEATURES

- Good chemical resistance
- Food safe
- Proven usage
- Excellent adhesion
- Two grades available
- Good shelf life

TYPICAL PHYSICAL PROPERTIES

Technical data should be considered representative or typical only and should not be used for specification purposes.

Shelf life	2 years
Appearance of hardener	Thin liquid
Appearance of compound	Amber liquid
Mixing Proportions by Volume	1 hardener to 3 compound
Initial Mixed Viscosity	10 Pa.s
Work Time	30 minutes
Full Cure	24 hours at 25°C
Hardness (Shore A)	80 to 90
Tensile Strength	15 MPa
Tensile Elongation at Break	50%
Joint Movement Capability	± 5%
Chemical Resistance	Resists diluted acids & alkalis
Petrol & Oil Resistance	Resists short-term spills & splashes

ESTIMATING DATA

Control Joint Sealant (D5-070) 4 Litre = 10m (joint 20mm x 20mm)

SURFACE PREPARATION

All surfaces should be clean, sound and concrete should be at least 28 days old. Remove weak and damaged concrete. Repair if necessary, with Epirez® Concrete Repair Products.

Control Joint Sealant (D5-070) will bond to clean concrete, masonry and metal surfaces. Use closed cell polyurethane backing rod or silicone release tape to ensure correct depth.

Joint Design

Joint Width (mm)	Sealant Depth / Width Ratio
5 to 15	1.0:1
16 to 20	0.9:1
Over 20	20 mm maximum

Priming

Priming is not normally required. However, critical applications such as frequently wet conditions or polished / dense surfaces should be primed with Epirez® Epoxy Primer / Sealer (123)

MIXING INSTRUCTIONS

It is strongly recommended that full units be mixed, as ratios are pre-measured.

Proper homogenous mixing of resin and hardener at the correct ratio is essential for the curing and development of stated properties.

Measure sufficient Hardener and Compound to be used in 30 minutes. Mix thoroughly using a stirrer fitted into a low speed (400 rpm) power mixer. Ensure that all the material on the sides, under the lip of the container and on the stirrer is incorporated.

Note: Take care to avoid air entrapment into the mix. Keep propeller below liquid line, as additional air can be added to mixture, resulting in air bubbles on the surface of the finished product.

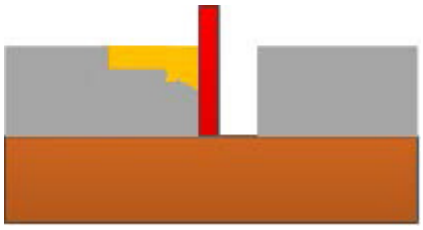
APPLICATION INSTRUCTIONS

Joint Repair

Remove the existing joint material.

Saw-cut or grind a 5 mm “square edge” around the repair area.

Follow the surface preparation instructions to provide a clean surface.



Form the repair using a polyethylene sheet, plywood coated with wax or other non-stick material.

Use **EPIREZ® Multi-Purpose Epoxy Concrete Repair** to replace the missing concrete.

After 16 hours, remove the form.

Jam a foam backing rod into joint to create the correct joint dimensions.

Use masking tape on top of concrete surfaces to assist clean-up.

Fill the joint with **EPIREZ® Control Joint Sealant**.

Remove masking tape before epoxy hardens.

CLEAN UP

Tools and equipment may be cleaned before hardening commences by washing in Epirez Clean Up Solvent. Do not use for cleaning hands or mixing with product.

STORAGE

Store in dry conditions between 10°C and 30°C, away from sources of heat and naked flames. Protect from frost. When stored in original sealed containers, the minimum shelf life is two years.

PRECAUTIONS

Control Joint Sealant (D5-070) should not be applied at temperatures below 10˚C.

WARRANTY

Epirez will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.

DISCLAIMER

All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Polymers & Fluids and EPIREZ® makes no representations or warranties of any kind concerning this data.

ORDER INFORMATION

Item No.	**Package Size**
E115070	Control Joint Sealant (D5-070) 4Ltr

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For Health & Safety information, refer to Safety Data Sheet available from ITW Polymers & Fluids upon request or available on our website.