



# TECHNICAL DATA

## Saw Cut Sealant

### ***D5-050***

#### **Description**

**Saw Cut Sealant (D5-050)** is specifically designed for sealing saw cut joints in concrete floors.

**Saw Cut Sealant (D5-050)** is available in an easy to use equal part mix ratio. Supplied as a black hardener and white compound, **Saw Cut Sealant (D5-050)** when properly mixed, is grey in colour and blends well with most concrete floors.

**Saw Cut Sealant (D5-050)** gives support to the edges of saw cuts preventing chipping and will withstand up to 10% joint movement. When applied to most clean joint surfaces, no primer is required.

**Saw Cut Sealant (D5-050)** will flow freely into a 5mm saw cut and does not require tooling.

#### **Areas of Application**

- Warehouse floors
- Parking structures
- Epoxy floor topping joints
- Factory floors

#### **Features**

- Good chemical resistance
- Food safe
- Long shelf life
- Self levelling
- Excellent adhesion
- Equal part mix ratio
- Coloured concrete grey
- Non-shrink

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The information contained in this Technical Bulletin is as up to date and correct as possible as at the time of issue. The data provided should be used as a guide only as the performance of the product will vary depending on differing operating conditions and application methods.

The sale of any product described in this Technical Bulletin will be in accordance with ITW Polymers & Fluids Conditions Of Sale, a copy of which is available on request. To the extent permitted by law, ITW Polymers & Fluids excludes all other warranties in relation to this product.

## General Properties

Shelf life	: 2 years
Appearance of hardener	: Black liquid
Appearance of compound	: White liquid
Mixing proportions	: 1 Hardener to 1 Compound
Initial mixed viscosity	: 5 Pa.s at 25°C
Work time	: 1 hour at 25°C
Full cure	: 7 days at 25°C
Hardness (Shore A)	: 80
Tensile strength	: 12 MPa
Tensile elongation at break	: 35%
Joint movement capability	: ±5%
Chemical resistance	: Resists dilute acids and alkalis
Petrol and oil resistance	: Resists short-term spills and splashes

## Estimating Data

4 litre Saw Cut Sealant (D5-050) = 40m (joint 10mm x 10mm)

## Application Directions

### Surface Preparation

All concrete surfaces should be clean, sound and at least 28 days old. Remove weak and damaged concrete. Repair if necessary with **Epirez®** Concrete Repair Products. After concrete has been cut, wash saw cut with high pressure water to remove any cement slurry. Allow saw cut to dry.

**Saw Cut Sealant (D5-050)** will bond to clean, dry concrete, masonry and metal surfaces. Use closed cell polyurethane backing rod or silicone release tape to ensure correct depth.

Surface preparation guidelines cannot cover all site or field contingencies and it is always recommended that an on-the-spot adhesion test be performed as part of the Standard Quality Assurance audit for the project.

### Joint Design

To ensure correct sealant performance, the joint width to depth ratio should be 1:1 for joints up to 10mm wide.

### 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

Combine **Saw Cut Sealant (D5-050)** Hardener and Compound in correct proportions and mix thoroughly to a consistent grey colour with a suitable paddle fitted to a low speed (400 rpm) power tool.

### Cleaning

Clean tools and equipment before hardening commences using **Epirez® Clean Up Solvent**. Do not use for cleaning hands or mixing with product.

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#### AUSTRALIA

ITW Polymers & Fluids  
100 Hassall Street  
Wetherill Park NSW 2164  
Phone (02) 9757 8800 Fax (02) 9757 3855

#### NEW ZEALAND

ITW Polymers & Fluids  
Unit 2 / 38 Trugood Drive  
East Tamaki 2013, Auckland  
Phone (09) 272 1945 Fax (09) 273 6489

## Limitations

**Saw Cut Sealant (D5-050)** should not be applied at temperatures below 10°C

## Storage and Shelf Life

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 containers the minimum shelf life is 2 years.

## Packaging

**Saw Cut Sealant (D5-050)** is available in 4 litre packs. Each pack contains Hardener and Compound in correct proportions for use.

## Ordering Information:

4 litre #E950504

## Note

The figures quoted for work time and curing time are not definitive. They are dependent on job site conditions and will vary accordingly. In all cases we endeavour to provide typical figures for use as a guide.

## Health & Safety Information

The product is hazardous. A Material Safety Data Sheet is available from the ITW Polymers & Fluids Technical Department upon request or available on our website [www.epirez.com.au](http://www.epirez.com.au).

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