

# CONCRESlVE<sup>®</sup> 2530

Low viscosity epoxy binder, adhesive and crack injection resin (low pressure)

## DESCRIPTION

**CONCRESlVE 2530** is a low viscosity, solvent free, epoxy binder that can be used for resin injection or as a bonding agent for both epoxy resin systems and cement based mortars. **CONCRESlVE 2530** can be applied to both dry and damp concrete surfaces and adheres to most substrates after proper preparation.

## RECOMMENDED FOR

- Injection and sealing of cracks in concrete
- Bonding of epoxy resin mortars and grouts
- Sealing and coating of concrete/mineral substrates
- Priming of concrete floors prior to applying Mastertop Flooring System

## FEATURES AND BENEFITS

- **Excellent adhesion**
- **Adheres to dry or damp surfaces**
- **Very low viscosity**
- **Solvent free**
- **Pre-proportioned packaging**
- **Multi-purpose binder**

## PERFORMANCE DATA

Compressive strength approx. 42 MPa  
Bond strength >2.5 MPa (concrete failure)  
Heat Deflection Temperature 51°C

### Chemical Resistance

**CONCRESlVE 2530** resists most common organic and inorganic acids in diluted form, also resistant to alkalis, water, oils, grease, etc. Chemical resistance depends on the chemicals involved, their concentration, temperature and degree of exposure. Good housekeeping practices such as immediate clean up of all spillages will greatly extend the service life.

## SPECIFICATIONS

	Part A	Part B	Mixed
Supply form	liquid	liquid	liquid
Colour	clear	amber	amber
Mix Ratio (v/v)	2	1	
Density			1.1kg/L
Application Temperature			min. 5°C max.35°C

## APPLICATION

### Surface preparation

To obtain maximum performance:

1. Concrete should be well cured, at least 28 days old and have a minimum compressive strength of 25MPa.
2. Clean surface thoroughly to remove all contaminants such as dirt, oil, grease, wax, rust and coatings.

3. Remove laitance and roughen surface to ensure good bonding by chipping, scabbling, grit blasting or acid etching. Allow to dry thoroughly, for maximum absorption and adhesion.
4. Shotblast to expose firmly held substrate.

### Mixing

Thoroughly stir Part A, add Part B and blend thoroughly using a slow speed mixer fitted with a suitable paddle (max. 600 rpm).

If a mortar is required for local filling of pinholes or surface imperfections, clean kiln dried sand may be mixed in. The maximum aggregate size should be approximate to 1/3 of the minimum required depth.

**CONCRESlVE 2530** may be injected using both high and low pressure injection equipment. The crack should be blown out after cutting along its length with an angle grinder. Fix entry ports into surface with **CONCRESlVE 1444** or **CONCRESlVE 1446** and putty up crack. Injection should then proceed from one nipple to the next. Cracks in horizontal surfaces may be filled by simple ponding or gravity feed.

**CONCRESlVE 2530** used as a bonding agent or sealer/coating over concrete should be applied by brush/roller ensuring a continuous even glossy sheen. Do not allow the product to puddle.

## CURING

Cure time will vary depending on the ambient temperature, quantity mixed and placed. As a general rule, hardening should take place within 14 hours. **CONCRESlVE 2530** will have fully cured after 7 days at 23°C.

## POT LIFE

Pot life will vary depending on the ambient temperature, quantity mixed and placed, and the filler content. A 2 litre kit of **CONCRESlVE 2530** will have a pot life of approximately 30 minutes at 25°C.

## ESTIMATING DATA

The quantity required as an injection resin will vary with the volume of the crack. As a sealer/coating or bonding primer agent, 1 litre of **CONCRESlVE 2530** will cover 6-8m<sup>2</sup>.

## CLEANING

Use Thinner No. 1 to clean equipment and tools before the material hardens.

## SHELF LIFE

**CONCRESlVE 2530** can be stored in tightly closed original containers for 24 months at moderate temperature.



The Chemical Company

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## PACKAGING

CONCRESlVE 2530 is supplied in 2L and 20L kit sizes, for general use and 450ml injection kits.

## PRECAUTIONS

Read all safety directions and warnings on tins before use.

1. As with all epoxy products, wear protective overalls, goggles and gloves - prolonged contact with skin should be avoided as it could produce dermatitis, particularly with people whose skin may be sensitive to epoxy resin system.
2. Ensure adequate ventilation.
3. Mix entire contents of each unit as supplied. Do not attempt to split units unless accurate measuring can be assured.
4. Do not use at temperatures of less than 5°C unless artificial means of heating can be used to assist cure. During cold weather Part A should be pre-warmed to between 20 and 30°C.

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF Material Safety Data Sheet (MSDS) from our office or our website.

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### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this BASF publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

### NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by BASF either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not BASF, are responsible for carrying out procedures appropriate to a specific application.

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