

## TWO PACK EPOXY SV100

### FOR PROFESSIONAL USE ONLY

|                    |                                                                                      |
|--------------------|--------------------------------------------------------------------------------------|
| <b>PACKAGING</b>   | 8 Litre Kit and 4 Litre Kit                                                          |
| <b>DESCRIPTION</b> | A high quality two pack epoxy system free of solvent and water                       |
| <b>USE</b>         | As a clear or pigmented sealer for concrete floors and a binder for Polymer Flooring |
| <b>COLOUR</b>      | Slight Straw Colour                                                                  |

### APPLICATION

*READ MATERIAL SAFETY DATA SHEET FOR BOTH PARTS A & B BEFORE OPENING.*

#### PREPERATION & CLEANING

Ensure concrete is sufficiently cured (recommended minimum 14 days). The surface requires cleaning to remove any substance which could affect adhesion (example: concrete sealer, paint, algae, mildew, mould, oil or grease). Once substances are removed, wash down area using a heavy duty cleaner, acid etch with a hydrochloric solution of 10 parts water and 1 part acid. Pressure clean using clean water. Ensure all acid is neutralized and removed. Allow to thoroughly dry before sealing as moisture can cause blistering. If it is not possible to acid etch the surface, it must be abraded until the surface has a rough texture adequate for the epoxy to adhere to. Holes and cracks should be filled using appropriate epoxy filler.

#### MOISTURE / DRY TEST

Using a calibrated moisture meter ensure the concrete has less than 5% moisture content prior to sealing.

#### MIXING

Read material safety data sheet for both parts A & B before opening. Mix **PART A** and **PART B** in the correct ratio. Transfer into another plastic container and remix before applying. Do not use residue left in first mixing can.

Apply to surface with a low knap roller, trowel or in the case of Polymer Flooring use a gauging rake. It is advisable to add a slip reducing additive at the rate of 1,000 grams/20Litres or as required to give the necessary slip resistance. If epoxy requires colour, add On-Crete Epoxy Colour Tint at the rate of up to 1Litre per 8Litres of mixed epoxy.

**NOTE: After mixing Part A & Part B DO NOT re-lid mixed parts as the resulting chemical reaction can cause pressure build up inside the sealed container, causing an explosion.**

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## TOP COATING

SV100 may be over coated with one of On-Crete Polyurethanes SV40 or SV45 to protect the surface from scratching. Generally top coating is not advisable for at least 24 hours depending on conditions.

## USAGE RATE

Approximately 1Litre per 10m<sup>2</sup>, depending on the surface.

## SPECIFICATIONS

|                           |                                                                     |                     |
|---------------------------|---------------------------------------------------------------------|---------------------|
| <b>VISCOSITY</b>          | @ 25°C                                                              | Low                 |
| <b>GEL TIME</b>           | Telcam 100ml @ 20°C, 65% R.H.                                       | 35 Minutes          |
| <b>DUST FREE TIME</b>     | @ 20°C 65% R.H.                                                     | 8 hours             |
| <b>CURE TIME</b>          | @ 20°C 65% R.H.                                                     | Approx. 9 -12 hours |
| <b>EXUDATION</b>          | After Cure @ 20°C 65% R.H.                                          | None                |
| <b>PERSOZ HARDNESS</b>    | After cure one day @ 20°C 65% R.H.                                  | 75                  |
|                           | After cure 7 days @ 20°C 65% R.H.                                   | 220                 |
|                           | After cure 30 days @ 20°C 65% R.H.                                  | 270                 |
| <b>IMPACT STRENGTH</b>    | Direct 200mm thickness on steel after 2 months cure @ 25°C 65% R.H. | 90kg/cm             |
| <b>MANDREL BEND TEST</b>  | 15mm #1501519 after 2 months cure @ 25°C 65% R.H.                   | 180mm               |
| <b>BOILING WATER TEST</b> | 6 hours @ 96°C on steel after curing 10 days @ 20°C 65% R.H.        | Unaffected          |

## CHEMICAL RESISTANCE

Substrate steel, Pickled & Sandblasted

|                              |                                    |
|------------------------------|------------------------------------|
| <b>DEIONISED WATER</b>       | Resistant up to 12 months          |
| <b>SULPHURIC ACID 50%</b>    | Resistant up to 12 months          |
| <b>DIESEL</b>                | Resistant up to 6 months           |
| <b>HYDROCHLORIC ACID 36%</b> | Destroyed (attacked after 2 weeks) |
| <b>HYDROCHLORIC ACID 20%</b> | Resistant up to 2 months           |
| <b>ACETIC ACID 5%</b>        | Resistant up to 2 months           |
| <b>AMMONIA 25%</b>           | Resistant up to 5 months           |
| <b>ETHANOL 50%</b>           | Non Resistant                      |
| <b>XYLENE</b>                | Non Resistant                      |
| <b>PETROL</b>                | Resistant up to 1 month            |

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## FEATURES

- In the clear form it is solvent free
- Outstanding water resistance
- Chemical resistant
- Cures at low temperatures
- Excellent binder for polymer flooring
- Impervious to water

## LIMITATIONS

- Yellow in sunlight
- Suitable for indoor use only
- If light shines through doors and / or windows it is possible that the top coat will require pigmenting
- Because of high gloss and hardness, coating tends to show scratches. To reduce scratches, add a slip reducing additive or overcoat with SV45 Polyurethane
- Not recommended for use below 10°C or above 35°C
- Ensure surface to be coated is dry. Moisture can cause blistering.
- Store in a cool dry area away from oxidizing agents, acids, bases or foodstuff
- Classified as Class & (corrosive) material incompatible with dangerous goods Classes 5.1 and 5.2

## SHELF LIFE

12 months for Part A & B when stored as above in sealed containers. After this time, product should be checked for suitability before use.

## POT LIFE

Approximately 30 mins @ 25°C if product is warm, pot life time will be accelerated.

## DISPOSAL

Product is not really biodegradable; therefore prevent material from entering drains and waterways. Dispose of as required by local authorities for Epoxy / Amine materials.

## PRECAUTIONS

- Read Material Safety Data Sheet for each component before opening
- Wear suitable gloves, protective clothing and eye/face protection
- Use in a well ventilated area. To avoid inhalation from vapour and dust wear a suitable organic safety mask
- DO NOT smoke when using this product

AFTER SEALING IT IS RECOMMENDED THAT THE SEALED SURFACE SHOULD BE PROTECTED FROM:

- Foot traffic for a minimum of 48hours
- Vehicle traffic for a minimum 72hours

The time depends on weather conditions, coating thickness etc; therefore check suitability before allowing traffic.

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## PRODUCT WARNING

**On-Crete Australia Pty Ltd** has no control over the use or storage of this product and therefore does not accept any liability in this regard. Any verbal advice given should not be regarded as authoritative information. This information is subject to change without notice, therefore all applicators should ensure they have current information. This product is intended for the use only of skilled tradesmen and where applicable, statutory licensed tradesmen experienced and trained in the use of this product. This product is warranted to be of uniform quality within the manufacturer's tolerance. This manufacturer has no control over the use or misuse of this product, therefore no warranty rests or implied, is or can be made either as to the effects of such use. The manufacturer's obligations shall be limited to replacing product proving to be defective.