

## Technical Data Sheet

### SDI 100 Fast Cure Epoxy - Light Grey

#### Product Description

SDI 100 is a solventless, thixotropic, two-pack epoxy roll-coat. The prepigmented light grey formulation is easy to mix and apply using squeegee, brush and roller.

#### Uses

- Basecoat under flake system.
- Single Solid colour two coat epoxy floors.

#### Technical Information

Description: 2-pack epoxy/polyamine.  
 Colour: Light Grey.  
 Finish: Glossy.  
 Cleaner: MEK, acetone, methylated spirits.  
 Mix Ratio: 2:1 v:v  
 Pack Size: 12 litres.  
 Solids: 100%

#### Technical Advantages

- Solventless product without strong odours can be applied indoors without disruption or harm to nearby people.
- Durable - adapted from industrial resin technology.
- Fast Curing.
- Australian made for Australian conditions.

#### Chemical Resistance to Spillage (for fully cured films)

SDI 100 is resistant to exposure from spillage of most household & commercial chemicals, e.g. detergents, soaps, oils/grease etc.

Note - Staining may occur when exposed to aggressive chemicals. Good housekeeping practices, including dilution and spillage clean up, will minimise chemical damage.

#### Uncured Characteristics

	Part A	Part B
Physical State	Grey thixotropic liquid	Amber liquid
Viscosity mPas @ 25C ASTM D2196	28,500	160
Specific Gravity g/ml @ 25C ASTM D1475	1.37	1.06
Mix Ratio	100:37 by weight 100:50 by vol	

#### Cure Characteristics

		SDI 100
Pot Life - 100g @ 25C	ASTM D2471	18 mins
Mix viscosity mPas @25C	ASTM D2196	950
Shore D (ambient + 16hrs @40C)	ASTM D2240	84
Thin Film Gel time @ 25C	~65 - 75 min	

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## Surface Preparation

Concrete - New concrete surfaces should be allowed to cure for a minimum of 28 days. Old, damaged and/or heavily contaminated concrete surfaces should be degreased with an appropriate detergent and patch repaired, if applicable, prior to surface preparation.

Diamond grind or shot-blast as required to obtain a clean, granular feel. Properly prepared surfaces should be structurally sound and free of contamination, laitance and any loose material. Ensure prepared surface is clean, dry and dust-free again if there's a delay between preparation and application.

Coated surfaces - can be over-coated providing they're in good condition and there are no adhesion issues. Perform a small adhesion test in an inconspicuous area if in doubt. Clean the coat first, rinse thoroughly and dry before sanding with 80-120 grit paper. Vacuum and then wipe with methylated spirits to remove all dust.

## Mixing

**WARNING:** Part B is a Class 8 Corrosive. For full safety instructions, consult SDS. Wear protective clothing, goggles and gloves to prevent skin and eye contact.

Shake containers well before use and mix at a ratio of 2:1 by volume using a drill mixer. Pour Part B into Part A and mix until a uniform colour is achieved, scraping sides with a flat spatula at least once to ensure all product is taken in.

## Application

Typical application by Squeegee, Brush, Roller.

Minimum application thickness @ 25°C - 100 microns.  
Typical application thickness @ 25°C - 250 microns.

To extend working time and get best results in flooring applications, pour product immediately onto the floor after mixing. Spread with a squeegee before backrolling smooth.

## Coverage

The actual coverage achieved by SDI 100 may depend on the substrate characteristics and condition. The theoretical yields for a 250-micron film are:

12 litre kit @ 4m<sup>2</sup>/L = 48m<sup>2</sup>

## Product Characteristics

- If splitting a kit, shake/mix Part A and Part B well separately before measuring required volume.
- Do not add solvents as it can affect performance.
- SDI 100 is formulated to resist crawling, however it can occur on hard, glossy or contaminated surfaces.
- Be aware that mixing a whole kit at a time can reach dangerously high temperatures and experience a significantly reduced pot life.
- Should not be applied in temperatures lower than 5°C.
- Consistent with all epoxies, SDI 100 will tend to discolour upon extended UV exposure.
- Be aware of product storage temperatures, as this can affect the potlife and working time.

## Storage & Disposal

Keep containers closed when not in use. Store below 40°C. Do not store in direct sunlight. Shelf life is at least 12 months in original, unopened container. Seek advice from your local council regarding accepted disposal methods.

## First Aid

### **CAUTION: KEEP OUT OF REACH OF CHILDREN.**

**IF ON SKIN:** Remove immediately all contaminated clothing. Rinse skin with water. **IF IN EYES:** Rinse cautiously with water for several minutes. Immediately call a POISON CENTRE (Australia - 13 11 26) or doctor/physician. If skin irritation occurs: Get medical advice/attention.

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