

SV100 EPOXY COVING MIX

FOR PROFESSIONAL USE ONLY

PACKAGING 4 Litre Kit

DESCRIPTION A high quality two pack epoxy system free of solvent and water

USE Can be used as supplied or pigmented ,to create a coved finish between floors and walls

COLOUR Slight white 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, if required acid etch with a hydrochloric solution of 10 parts water and 1 part acid. Use a Pressure cleaner with clean water to wash down the area. Ensure all acid is neutralized and removed. Allow to thoroughly dry before applying primer and coving mix. 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 can be filled using Standard SV100 and the SV100 coving mix.

MOISTURE / DRY TEST

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

PRIMING

Prime the surface using standard SV100 using a brush or roller, the coving mix can be applied while the primer is wet or after is has fully cured. Read material safety data and tech data sheet for both parts A & B before opening

MIXING COVING MIX

Read material safety data sheet for both parts A & B before opening. Mix the total amount of SV100 coving mix **PART A** and **PART B** together until thoroughly mixed. Coving mix can be tinted with On-Crete's epoxy tint if required.

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 Coving mix may be over coated with On-Crete's non sag SV100 Extra high build or 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 4 Litre Kit for 16 lineal meters depending on the size of the coving.

SPECIFICATIONS

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

CHEMICAL RESISTANCE

Substrate steel, Pickled & Sandblasted

DEIONISED WATER	Resistant up to 12 months
SULPHURIC ACID 50%	Resistant up to 12 months
HYDROCHLORIC ACID 36%	Destroyed (attacked after 2 weeks)
HYDROCHLORIC ACID 20%	Resistant up to 2 months
ACETIC ACID 5%	Resistant up to 2 months
AMMONIA 25%	Resistant up to 5 months
ETHANOL 50%	Non Resistant
XYLENE	Non Resistant
PETROL	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

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 or equivalent.
- Not recommended for use below 10°C or above 35°C
- Ensure surface to be coated is dry. Moisture can cause poor adhesion.
- Store in a cool dry area away from oxidizing agents, acids, bases or foodstuff
- Classified as Class 8 (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.