

SV110 INDUSTRIAL EPOXY

FOR PROFESSIONAL USE ONLY

PACKAGING	15 Litre Kit and 30 Litre Kit
DESCRIPTION	A high quality two pack epoxy system free of solvent and water
USE	Used as a epoxy primer or binder for Polymer Flooring
COLOUR	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 2 Parts of **PART A** and 1 Part of **PART B**. 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 15 Litres 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.

SV110 INDUSTRIAL EPOXY



TOP COATING

SV110 may be over coated with On-Crete's SV115 or one of On-Crete Polyurethanes SV40 or SV45 to protect the surface from scratching. Generally top coating with a polyurethane is not advisable for at least 24 hours depending on conditions.

USAGE RATE

Used as a:

Prime Coat

Approximately 1Litre per 6m², depending on the surface.

Binder

Approximately 1Litre per 2Kg of silica sand.

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

SV110 INDUSTRIAL EPOXY



CHEMICAL RESISTANCE

Substrate steel, Pickled & Sandblasted

DEIONISED WATER	Resistant up to 12 months
SULPHURIC ACID 50%	Resistant up to 12 months
DIESEL	Resistant up to 6 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

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.

SV110 INDUSTRIAL EPOXY



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.

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.