



Unit 4/489 Scottsdale Drive, Varsity Lakes, Queensland, Australia 4227.  
Tel: (07) 5593 6884 Fax: (07) 5593 6885 Email: sales@on-crete.com.au Web: www.on-crete.com.au

## TECHNICAL DATA SHEET – POLYURETHANE SV35

### FOR PROFESSIONAL USE ONLY

<b>PACKAGING</b>	5 or 10 Litre Kit	
<b>DESCRIPTION</b>	Polyurethane SV35 is a two pack water base polyurethane clear topcoat utilising the latest available technology. The coating incorporates 100% water base polyurethane technology offering superior toughness combined with superior anti-scratching and abrasion resistance. Designed to be used in coating applications to match solvent base polyurethane.	
<b>AREAS OF USE</b>	Floors including retail, domestic and commercial application. Top coat over epoxy coatings on concrete substrates. Suitable for medium to high trafficable pathways.	
<b>FEATURES</b>	Easy to apply Low odour Water Base Interior / Exterior Excellent Toughness	Non Yellowing clear finish Durable Good early hardness Oil Resistant Available Tinted

### APPLICATION

**Safety Data Sheet must be read before opening this product.**

The surface area to be sealed must be dry and free from any dirt, oils, silicones and any other contaminants. New concrete must be allowed to cure for 28 days prior to sealing. Unsealed concrete which is 1 – 12 months old will require an acid wash using 10 parts water and 1 part Hydrochloric Acid. All traces of acid must be removed either by pressure cleaning or neutralisation with bicarbonate soda.

SV35 Water Base Polyurethane can be applied with a brush, roller or sprayer.

Do not apply if rain is expected, or in extreme hot humid conditions. Do not apply if temperature is below 10°C or likely to fall below 10°C or below the dew point temperature during drying time.

### TOP COATING

Re-coating should be undertaken within 12 hours depending on the above conditions. If too much curing time is allowed, adhesion can be difficult to guarantee on subsequent coats. In this case, the first coat may have to be sanded to provide additional grip before application of subsequent coats.

### USAGE RATE

8 - 10m<sup>2</sup> per Litre or less depending on application method, conditions of application and surface characteristics. Two coats is recommended for optimum performance and durability.



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### SPECIFICATIONS

RESIN TYPE	Two pack
COVERAGE RATE	Approx. 8-10m <sup>2</sup> per coat and depending on surface texture
RE-COAT TIME	Within 12 hours depending on temperature
COLOUR	Clear
S.G.	
NCO	
SLIP RATING R10	50 gm per m <sup>2</sup> Alox 46

### CHEMICAL RESISTANCE SPOT TEST, COVERED ASTM D 1308

10% Acetic Acid	4 Hours	No Effect
	24 Hours	No Effect
10% H <sub>2</sub> SO <sub>4</sub>	4 Hours	No Effect
	24 Hours	No Effect
10% HCl	4 Hours	No Effect
	24 Hours	No Effect
14% NH <sub>4</sub> OH	4 Hours	No Effect
	24 Hours	No Effect
50% NaOH	4 Hours	No Effect
	24 Hours	No Effect
IPA	4 Hours	No Effect
	24 Hours	Slightly Soft
MEK	4 Hours	Slightly Soft
	24 Hours	Soft
DI Water	4 Hours	No Effect
	24 Hours	No Effect
Betadine	4 Hours	No Effect
	24 Hours	No Effect
10% Bleach	4 Hours	No Effect
	24 Hours	No Effect
Gasoline	4 Hours	No Effect
	24 Hours	No Effect



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### MIXING

#### By weight (kg)

Total Weight	5L Kit	10L Kit	50g	100g	500g	1Kg
Part A	3.931 Kg	7.862 Kg	38g	76g	381g	762g
Part B	1.224 Kg	2.449 Kg	12g	24g	119g	238g

#### By volume (L)

Total Volume	5L Kit	10L Kit	50ml	100ml	500ml	1L
Part A	3.869L	7.738L	39ml	77ml	387ml	774ml
Part B	1.130L	2.261L	11ml	23ml	113ml	226ml

### LIMITATIONS

- Cannot be applied over solvent based acrylic sealers.
- If the coating has been left for longer than 12 hours to cure before application of another coat, the surface must be mechanically abraded with a prep pad or equivalent PRIOR to application of the next coat to ensure adequate adhesion between coats.
- Should not be applied at less than 2.5 square metres /litre as CO<sub>2</sub> gassing in the film may develop in adverse circumstances.
- Full hardness development DOES NOT occur for 7 days at ambient temperature. In cold temperatures, hardness development is slowed significantly.
- While this material is manufactured to the highest standards using premium ingredients, materials of this type are known to stain occasionally from contact with some automotive tyres. Extensive testing has been conducted on this material with many different tyres. It is believed that this material is among the most resistant to this type of staining in its class. As the manufacturer is unable to test every tyre from every manufacturer available, they are unable to offer any warranty against surface staining. If you have any doubts about the use of this material in sensitive applications, please contact the manufacturer to discuss the suitability of the product for your purpose.

### CLEANING & MAINTENANCE

Cleaning is an essential part of maintaining your floor. The longevity of the floors appearance and also its slip resistance will depend on thorough maintenance. It is a recommendation to clean up any spills as soon as possible and spot clean using On-Crete's Heavy Duty Cleaner (avoid using solvent based or chlorine based cleaners) to help keep the surface free from dirt, oil, algae and debris.

At a minimum the surface must be cleaned every six months or more as required in different environments. On-Crete's Heavy Duty Cleaner (HDC) is recommended as it is bio-degradable and also has a steriliser included. On-Crete's Heavy Duty Cleaner will not harm polyurethane.

The floor should be given a sweep or light hose to remove any loose debris. Mix HDC 1 part to 20 parts water, pour diluted cleaner onto the floor and scrub with a broom. Remove by either hosing or using pressure cleaner.



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### POT LIFE / DRY TIME

2 Hours Pot Life.  
Touch Dry approx 2-4 hours.  
Recoat 4-12 hours.

### STORAGE

- Product is temperature sensitive.
- Do not store or allow material to drop below 4 degrees Celsius.
- On-Crete recommends storage in a cool, well ventilated space away from heat sources.
- Keep tightly lidded.
- Keep away from reducing agents and strong oxidising agents.
- See State and Federal Regulations as to storage.

### SHELF LIFE

6 months in un-opened container stored as recommended. After this time product should be checked to ensure suitability for use.

### DISPOSAL

Contaminated absorbent to be disposed of in a secure land fill area in accordance with local bodies, state and or federal authorities.

### PRECAUTIONS

After sealing, it is recommended that the sealed surface be protected from foot traffic for a minimum of 48 hours and vehicle traffic for a minimum of 72 hours. Curing time required 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, 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. The manufacturer has no control over the use or misuse of this product, therefore no warranty rests, is implied, or can be made as to the effects of such use. The manufacturer's obligations will be limited to replacing product proving to be defective.