

POLYURETHANE SV35

FOR PROFESSIONAL USE ONLY

PACKAGING 10Litre Pail

DESCRIPTION SV35 is a two pack water base polyurethane clear topcoat utilizing 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.

AREAS OF USE Floors including retail, domestic and commercial application. Top coat over epoxy coatings on concrete substrates. Suitable for medium to high trafficable pathways, driveways car parks.

| | | |
|-----------------|---------------------|----------------------------|
| FEATURES | Easy to apply | Non Yellowing clear finish |
| | Low odour | Water Base |
| | Interior / Exterior | Excellent Toughness |
| | Durable | Good early hardness |
| | Oil Resistant | Available Tinted |

APPLICATION

MATERIAL 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. For 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 cleaner or neutralized with bicarb soda.

SV35 Water Base Polyurethane can be applied with a brush, roller or sprayer. Application is satisfactory with most equipment.

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 and below the dew point temperature during drying time.

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TOP COATING

Re-coating should be within 12 hours depending on conditions prevailing. If too much time is allowed for cure, adhesion can be difficult to obtain on subsequent coats. If too much time has elapsed then the first coat will have to be sanded to provide extra key before the 2nd and 3rd coats are applied.

USAGE RATE

9 - 12m² per Litre or less due to application method, conditions of application and surface characteristics. Recommended 2 coats for optimum performance and durability.

SPECIFICATIONS

| | | |
|--|--|---------------|
| RESIN TYPE | Two pack | |
| COVERAGE RATE | Approx. 9-10m ² per coat and depending on surface texture | |
| RE-COAT TIME | Within 24 hours depending on temperature | |
| COLOUR | Clear | |
| S.G. | 1.035 | |
| NCO | | |
| Slip Rating R10 | 50 grms per m ² Alox 46 | |
| CHEMICAL RESISTANCE SPOT TEST, COVERED ASTM D 1308 | | |
| 10% Acetic Acid | 4 Hours | No Effect |
| | 24 Hours | No Effect |
| 10% H2SO4 | 4 Hours | No Effect |
| | 24 Hours | No Effect |
| 10% HCl | 4 Hours | No Effect |
| | 24 Hours | No Effect |
| 14% NH4OH | 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)

| | | | | | | | | | | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Part A | 0.790 | 1.580 | 2.371 | 3.161 | 3.951 | 4.741 | 5.531 | 6.322 | 7.112 | 7.862 |
| Part B | 0.245 | 0.490 | 0.734 | 0.979 | 1.224 | 1.469 | 1.714 | 1.958 | 2.203 | 2.449 |
| Total | 1L | 2L | 3L | 4L | 5L | 6L | 7L | 8L | 9L | 10L |

By volume (L)

| | | | | | | | | | | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Part A | 0.774 | 1.548 | 2.321 | 3.095 | 3.869 | 4.643 | 5.417 | 6.190 | 6.964 | 7.738 |
| Part B | 0.226 | 0.452 | 0.678 | 0.904 | 1.130 | 1.356 | 1.582 | 1.808 | 2.034 | 2.261 |
| Total | 1L | 2L | 3L | 4L | 5L | 6L | 7L | 8L | 9L | 10L |

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 inter-coat adhesion.
- Should not be applied at less than 2.5 square metres /litre as CO2 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 plasticisers present in some tyres. We have conducted extensive testing with this material with many different tyres and believe this material to be among the most resistant to this type of staining in its class. However, because we are unable to test every tyre from every manufacturer available, we 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 On-Crete to discuss with us the suitability of our product for your own purpose.

CLEANING & MAINTENANCE

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

At a minimum you must clean your floor at least every six months or as required in different environments.

We recommend using On-Crete's Heavy Duty Cleaner (HDC) as it is bio-degradable and also has a sterilizer included and will not harm the polyurethane.

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

POT LIFE / DRY TIME

2 Hours Pot Life.

Touch Dry approx 2-4 hours.

Recoat 4-12 hours.

STORAGE

Material is temperature sensitive. Do not store or allow material to drop below 4 degrees Celsius. On-Crete Aust. Pty Ltd recommends storage in a cool, well ventilated space away from heat sources. Keep tightly lidded. Keep away from reducing agents and strong oxidizing 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 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. 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, 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.