

Pol Shield SP

Water based Urethane Epoxy Resin with Polyurethane

SURFACE PREPARATION

Over Envirogrip.

Apply CONPELL Envirogrip as describe in the Envirogrip product data sheet, the CONPELL Envirogrip texture finish must be sufficiently cured (dry) so that the applicator can stand on the surface while applying the Poly Shield SPW without damaging the Envirogrip surface. The Envirogrip texture finish should be clean and dry and free of all contaminants prior to the application of the Poly Shield SPW.

Try to avoid applying Poly Shield SPW in direct sunlight or in windy conditions.

Over New Concrete.

All surface contaminants must be removed, making sure to remove all paint and oils stains.

Where efflorescence or laitance are present, cleaning the surface using a mild acid wash may be required (one part hydrochloric acid to 10 parts water). Acid washing is not recommended for coloured concrete as discolouration may occur.

All concrete surfaces must be thoroughly dry prior to the application of Poly Shield WB. Try to avoid applying Poly Shield WB in direct sunlight or in windy conditions.

Do not apply CONPELL Poly Shield WB to existing sealed surfaces.

FIRST COAT

1. **Apply Poly Shield WB using a brush and roller, apply an even coat at the recommended application rate, ensuring a wet edge is maintained to avoid roller marks in the finished surface.**
2. **Allow a minimum of two hours between coats.**

SECOND COAT

Stir thoroughly and apply as above, apply the second coat at right angles to the previous coat.

Poly Shield SPW

Water based clear Polyurethane coating for protecting concrete and masonry surfaces.

CLEAN UP

Wash all equipment thoroughly with water.

CURING

Curing time depends on the temperature. Poly Shield SPW is usually touch-dry in 30 - 60 minutes at 25°C.

The concrete can usually be walked on after 48 hours. Allow seven days before cleaning with chemicals.

COATING LIFESPAN

The expected lifespan of the coating will be effected by the location, weathering and traffic the surface is subjected to. Areas protected from adverse weather conditions will last longer.

TRACTION ENHANCEMENT

The final texture must be created through the texture of the concrete surface, care must be taken when sealing concrete to ensure that the surface texture has sufficient profile to provide adequate traction.

If added traction is required, crushed glass or CONPELL CA60 should be broadcast between coats, this is however only a short term solution as the aggregate will breakdown over time.

PRECAUTIONS

- Do not apply to damp surfaces.
- Protect surrounding areas from over-spray, buildings, plants, drains etc.
- Wear suitable protective wear, protective clothing, safety goggles and organic vapour respirator.
- Protect sealed surface from moisture for a minimum of 6 hours.
- Avoid applying Poly Shield SPW in windy conditions.
- Apply Poly Shield SPW between 10°C - 35°C. Do not apply above 75% humidity. **DO NOT APPLY Poly Shield SPW IF TEMPERATURES ARE BELOW 10° C.**

STORAGE

- Keep Poly Shield SPW stored in a dry area, away from direct sunlight & frost.
- Store between 10°C & 30°C.
- Poly Shield SPW has a shelf life of 12 months in an unopened container.
- Ensure partly used drums are correctly sealed.

FIRE

Poly Shield SPW is non-flammable.

Poly Shield SPW

Water base, clear Polyurethane coating for protecting concrete and masonry surfaces.

SAFETY PRECAUTIONS

- Wear appropriate protective equipment, including clothing, gloves, appropriate respiratory mask and goggles.
- If poisoning occurs, contact doctor or Poisons Information Centre.
- If contact with skin occurs, remove contaminated clothing and thoroughly wash skin.
- If swallowed do not induce vomiting, give a glass of water.
- If in eyes, hold eyes open and flood with water for at least 15 minutes then see doctor immediately.
- For further information refer to the relevant Material Safety Data Sheet.

IMPORTANT INFORMATION

The information and recommendations relating to Poly Shield SPW are given based on current knowledge and experience. Due to variances in material substrates and site conditions no warranties implied by law or, fit to purpose of the product can be implied. We accept no responsibility for loss or injury due to the incorrect handling or improper use of the product, limiting the cost of our liability to the replacement product cost only. Always refer to current Product Technical Data Sheets.

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