

Poly Shield SL36R

Solvent based, high solids anti-slip polyurethane based, flooring system

DESCRIPTION

Poly Shield SL36R is a two component; anti-slip, solvent based, polyurethane flooring system for internal and external masonry ramping situations, where a high performance anti-slip surface is required.

Due to its unique design Poly-Shield SL36R is a hard wearing, durable coating, exhibiting good resistance to marking and staining.

PRODUCT FEATURES & BENEFITS

- Excellent adhesion
- Good resistance to marking and staining
- High gloss finish
- Anti-slip
- Non-yellowing
- Exhibits good chemical resistance
- Can be used in areas subjected to high levels of foot and vehicle traffic

TYPICAL APPLICATIONS

Poly Shield SL36R is designed to be used in high abrasion situations, such as ramping in car parking facilities and warehouse floors.

APPLICATION RATES

Total application rates are typically Flooring 6 -8m² per litre

These application rates may vary depending on the substrate and the finish required.

PERFORMANCE PROPERTIES

COLOUR	CLEAR OR COLOURED LIQUID
FINISH	GLOSS
MIX RATIO	3:1
VOLUME SOLIDS	65%
SPECIFIC GRAVITY	APPROX 1.0 @ 25°C
POT LIFE (MIXED PRODUCT)	2 HOURS
RE – COAT TIME	6 HOURS @ 25°C 50%RH
FULL CURE	7 DAYS @ 20°C 50%RH

Poly Shield SL36R

Solvent based, high solids anti-slip polyurethane flooring system

PACK SIZES

Poly Shield SL36R is available in 15ltr kit size.

PREPARATION (Concrete)

- All surfaces to be coated must be structurally sound and free of all previous adhesives, efflorescence or laitance by abrasive mechanical grinding.
- All surfaces to be coated must be free of all dirt, grease, oil or other surface contaminants.
- All holes, non-structural cracks and surface deformities should be repaired with CONPELL R70 prior to the application of Poly Shield SL36R.
- Prime the surface with Epo Shield WB.
- Ensure recoat times are adhered to between applications, a minimum of 12 hours is required between coats at temperatures above 25°C.

PRIMING

1. Apply Epo Shield WB at an application rate of 8-10m²/litre,
2. First pre-mix each individual component to form a homogeneous paste.
3. Join the two components together by adding 1 part, Epo Shield WB part A RESIN to 1part, Epo Shield WB part B HARDENER by volume, mixing thoroughly for a minimum of 3 minutes until a homogeneous paste is obtained.
4. The product may be diluted up to 20% with clean water prior to application
5. If the concrete surface is extremely porous, apply 2 coats of Epo Shield WB as a primer.

APPLICATION POLY SHIELD SL36R BASE COAT

1. Mixing should be by means of a mechanical forced action mixer with a high shear stirrer.
2. First, pre-mix part A to form a homogeneous paste.
3. Second, add 1 part B to 3 parts A, mixing thoroughly for a minimum of 5 minutes until a homogeneous blended paste is achieved.
4. Avoid trapping air during mixing.
5. Only mix enough product as can be used within the pot life of the product.

PLACING

1. Apply in a uniform manner using a brush or roller, apply in a uniform manner at an application rate of 5-6m²/litre and ensure all surface voids are filled
2. While the surface is wet broadcast CONPELL 600 aggregate to achieve the desired finish, full saturation of the surface is not required.
3. Avoid pin holing.
4. Successive coats should be applied at right angles to the previous coats.
5. Allow the surface to cure for a minimum of 12 hours but less than 36 hours before applying top coats.

Poly Shield SL36R

Solvent based, high solids anti-slip polyurethane flooring system

APPLICATION TOP COATS (2 coats are required) (continued)

6. Mixing should be by means of a mechanical forced action mixer with a high shear stirrer.
7. First, pre-mix part A to form a homogeneous paste.
8. Second, add 1 part B to 3 parts A, mixing thoroughly for a minimum of 5 minutes until a homogeneous blended paste is achieved.
9. Avoid trapping air during mixing. Only mix enough product as can be used within the pot life of the product
10. Apply in a uniform manner at an application rate of 6-8m²/litre using a brush or roller, ensure application rates are adhered to and ensure all surface voids are filled.
11. Avoid pin holing.
12. Successive coats should be applied at right angles to the previous coats.
13. Allow the first coat to dry for 12 hours and no more than 36 hours before applying final coat.
14. Allow the surface to cure for a minimum of 24 hours before subjecting to pedestrian traffic, allow 7 days before allowing vehicular traffic or chemical cleaning.
15. Full cure in 7 days.

CLEAN UP

Wash all equipment with Poly Sol 300 solvent.

PRECAUTIONS

- Some individuals may experience a skin reaction to Poly Shield SL36R. Use appropriate protection equipment. Refer to our Material Safety Data Sheet for further information.
- Do not apply directly to steel or metal surfaces as corrosion may occur.
- In enclosed areas ventilation should be provided during the coatings curing cycle to allow for adequate evaporation of the coating.
- Poly Shield SL36R is a coating, not a water proofing membrane.
- Do not apply Poly Shield SL36R over any curing compound or release agents. All contaminants must be removed prior to the application of Poly Shield SL36R.
- Apply Poly Shield SL36R between 10°C - 35°C. Do not apply above 75% humidity.

Contact the manufacturer if one or more of the following conditions exist:

- The substrate is subject to hydro static pressure or rising damp.
- The substrate is chalky or dusting.
- Ambient or substrate temperatures are below 10°C.
- The finished floor will be subject to chemical attack (including hot chicken fats).

CONPELL

Head Office: PO Box 4252

Ph: 1300 966 118

Brisbane Sales: 0450 040 848

Loganholme DC, Qld 4129

Fax: 1300 922 001

National Sales: 0433 400 220

Email: info@conpell.com Web: www.conpell.com

Poly Shield SL36R

Solvent based, high solids non-slip polyurethane/acrylic, floor coating

STORAGE

- Keep Poly Shield SL36R stored in a dry area, away from direct sunlight & frost.
- Store between 10°C & 30°C.
- Poly Shield SL36R has a shelf life of 12 months in an unopened container.
- Ensure partly used drums are correctly sealed.

FIRE

Poly Shield SL36R flooring system is flammable.

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 SL36R 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.

CONPELL

Head Office: PO Box 2168

Ph: 1300 966 118

Brisbane Sales: 0450 040 848

Nerang DC, Qld 4211

Fax: 1300 922 001

National Sales: 0433 400 220

Email: info@conpell.com Web: www.conpell.com