



ShieldProof

115

Aliphatic Topcoat

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Product Description

ShieldProof 115 is a two-component solvent-based aliphatic polyurethane coating having exceptional weathering properties, which on curing imparts a flexible, UV resistant film. It is normally used as a topcoat over ShieldProof 110 coated surfaces. ShieldProof 115 is available in various shades that suit to the décor of the building.

ShieldProof 115 is the finishing or topcoat layer to any ShieldProof waterproofing system that provides an added protection against UV degradation and high wear resistance. ShieldProof 115 is the outmost layer in Traffic Shield system but not limited to be used with ShieldProof products only. 115 is a topcoat compatible to any polyurethane and polyurea system that requires UV resistivity for external application.

Properties

Classification	Aliphatic Polyurethane
Color	Any Color
Mixing Ratio	4 : 1 by Weight
Finish	Smooth Gloss
Solid Content	40 - 50%
Pot Life @ 25°C	>3 hours
Theoretical Rate	0.25 kg/sqm 125microns
Tensile Strength	1 - 2 MPa
Elongation	90 - 100%
Flash Point	Above 29°C

Advantages

- Light stable waterproof coating
- Top coating over ShieldProof 110 system
- Excellent UV resistance
- Excellent adhesion, waterproofing and acid rain resistance properties
- Excellent weather and aging resistance

Curing Period

Surface Dry	20 - 30 minutes
Tack Free Dry	50 - 60 minutes
Hard Dry	> 1 hour

Application Procedure

Environment:

Apply when air, surface, and material temperatures are between 65°F and 90°F. The surface temperature must be at least 5° above the dew point to prevent moisture condensation.

Substrate Preparation:

Ensure that the surface is clean, dry, and free from dust and other contaminants. ShieldProof 115 is applied over ShieldProof 110 base coat.

Mixing:

Shake well the containers of resin and hardener before mixing. Mix resin and hardener in the ratio of 4:1 by weight. Stir well for 5 minutes.

Application:

Apply first coat and allow to cure for 2-3 hours. Apply second coat and allow to dry.

Storage Instruction

ShieldProof 115 is available in 15 kg/set (12kg / 3kg) and has a maximum shelf life of 12 months in the un-opened containers and stored in cool dry conditions. It should be kept in a cool, well-ventilated area, away from heat, direct sunlight, sparks, and children. Handle with care. Mix resin and hardener as per the ratio. Use the mix solution within the pot lifetime. Refer to SDS for more information regarding safe handling and storage.

DISCLAIMER

The information provided herein, especially recommendations for the usage and the application of our products, is based upon our knowledge and experience. Due to different materials and equipment used, as well as varying working conditions and environments beyond our control we strictly recommend carrying out intensive trials to test the suitability of our products regarding the required processes and applications. This data sheet is provided free of charge, and we do not accept any liability regarding the above information or regarding any verbal recommendation, except for cases where we are liable of gross negligence or false intention.