

Product Description

Lockwell UP115 SR is a two component solvent-based aliphatic polyurethane Solar reflective coating having exceptional weathering properties, which on curing imparts a flexible, UV resistant film. It is normally used as a top coat over Lockwell UP110 BM coated surfaces. UP115 SR is available in various shades that suit to the décor of the building.

Uses

- As a light stable waterproof coating
- As a top coating over UP110 BM system

Key features

- Excellent UV resistance
- Excellent adhesion, waterproofing and acid rain resistance properties
- Excellent weather and aging resistance

Properties

Type	Aliphatic PU
Mixing ratio (R:H)	2 : 1 by weight
Color	Grey, Green, White
Finish	Smooth matt
Pot life @ 25 °C ASTM D 2471	>3 hrs.
Solid content by weight ASTM D 2697	45-50%
Drying time ASTM D 1640	20 – 30 min
Surface dry	50 – 60 min
Tack free dry	>1 hr.
Hard dry	
Flash point ASTM D 3278	Above 29 °C
Theoretical coverage	4.8 M ² / Kg @100 microns
Application	By roller or brush
Thinner Clean up	As recommended
Shelf life	6 months in un-opened container

Performance data

Tensile strength	1-2 MPa
Elongation	90-100%
Tear strength ASTM D 624	8 - 10 KN/m

Application Instruction

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. UP115 SR is applied over UP110 BM base coat.

Mixing

Shake well the containers of resin and hardener before mixing. Mix resin and hardener in the ratio of 2:1 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.

Limitations

- Use with adequate ventilation
- Not intended for use as a base coat
- Not intended for ponding water or constant immersion
- Substrate must be clean, dry, sound and secure
- Concrete must have a full 28 day cure period prior to coating

Packaging

Lockwell UP115 is available in 15 Kg/ Set (10 kg: 5 kg) and has a maximum shelf life of 6 months in the un-opened containers.

Storage and handling

The product should be stored in accordance with national regulations. It should be kept in a cool, well-ventilated area, away from heat, direct sunlight, sparks and children. Handle with care. It contains inflammable solvents. Mix resin and hardener as per the ratio. Use the mix solution within the pot life time.

Health and safety precautions

Please refer to MSDS. Observe reasonable care and employ ordinary hygienic principles such as washing the hands with soap and water before eating or smoking. It is recommended to wear gloves, goggles and nose masks while application. In case of splashes on the skin, dampen the cloth with thinner and wipe the hands with the cloth. Wash then with soap and water. Dried film is nontoxic. In case of contact with eyes, rinse with plenty of water and seek medical advice. In case of continuous exposure to vapour, the applicator should be immediately moved to get fresh air. The disposal of excess or waste



TECHNICAL DATA SHEET

LOCKWELL UP-II5 SR

material should be carried out in accordance with the local legislations.

Additional Information – 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 with regard to the required processes and applications. This data sheet is provided free of charge and we do not accept any liability with regard to the above information or with regard to any verbal recommendation, except for cases where we are liable of gross negligence or false intention.

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