

Product Description

Lockwell UP110 BM is a two component flexible base PU membrane coating which on curing forms to an impervious rubberized membrane. UP110 BM is based on an advanced technology of polyurethane elastomeric coatings to offer a cured film which has excellent elongation, toughness, tear strength and superior water resistance. It is a cold cured, liquid applied seamless membrane which has shown remarkable crack bridging properties.

Uses

UP110 BM is ideally suited for waterproofing of roof tops, external and internal walls, AC and MS sheet roofing, ablution, kitchen, internal and external gutters, decks and most internal and external waterproofing requirements.

Key features

- Strong adhesion
- Excellent flexibility & toughness
- Excellent bond to PU aliphatic topcoats
- Crack bridging ability

Properties

Type	Aromatic PU
Mixing ratio (R:H)	2 : 1 by weight
Color	Grey
Pot life @ 25 °C	30-45 min
Solid content	98%
Drying time	
Surface dry	1 – 2 hrs.
Tack free dry	5 – 6 hrs.
Hard dry	24 hrs.
Theoretical coverage	1 M ² / Kg @ 1000 microns
Thinner Clean up	As recommended
Shelf life	6 months in an open container

Performance data

Tensile strength	2 MPa
Elongation	400-600%
Hardness, Shore A	38-45
Tear strength	10-15 KN/m
Crack bridge ability ASTM C 836	Passes the test. No loss of adhesion and no signs of cracking or damage.

Application

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.

Ensure that the concrete is clean, dry and sound. Apply the primer coat (as recommended by LW) and allow to dry for 6-7 hours. If more than 36 hours has lapsed, the prime coat needs to be lightly abraded before UP110 BM is applied. Cracks and joints should be sealed with polyurethane sealants. Mix thoroughly part B before mixing with hardener. Mix UP110 BM resin and hardener in 2:1 ratio by weight. Agitate the mixture for 3-5 minutes.

Immediately pour activated product on the substrate and, using a squeegee, pull out the material at the desired coverage rate.

Using a 3/8" nap, non-shedding roller, roll the product in both directions to ensure even coverage.

Apply to achieve a DFT of around 300-500 microns on vertical applications and no more than 3mm in one application on horizontal substrates. Allow to cure at ambient temperature.

Packaging

Lockwell UP110 BM is available in 30 Kg/ Set (20 kg: 10 kg) and has a maximum shelf life of 6 months in the un-opened containers and stored in cool dry conditions.

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. 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 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-IIO BM

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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