± TECHNICAL DATA SHEET

LASTEEK RWE500

(RUBBER MODIFIED LIQUID WATERPROOFING COATING)

LASTEEK RWE500 is a ready to use water based, cold applied, bitumen emulsion modified with high solids SBR (Styrene Butadiene Rubber) latex. It is highly adhesive & it forms a seamless, highly elastic and durable film that adheres well to most of the common substrates.

IMPORTANT FEATURES

- Single component, water based - non toxic, environment friendly, non flammable.
- Superb adhesion, bonds tenaciously to most substrates including concrete, bricks, bitumen asbestos, cement, slates, tiles, woods, existing roof felts and insulation boards.
- Applicable immediately after removal of the formwork.
- Safe for using in confined areas.
- Resistance to chlorides & sulphates usually present in the soil.

USES

- Waterproofing of concrete and block foundations, retaining walls, basement and wet areas such as kitchen, toilet floors and balconies.
- Vapour barrier/ Damp proof membrane in sandwich panel construction.
- Adhesive for flooring and insulation boards.
- Dual advantage curing compound cum protective coating on concrete.
- Planter boxes.
- Façade damp proofing, behind cladding and curtain walls.

STANDARDS

LASTEEK RWE500 conforms to the requirements of ASTM D 2939, ASTM C 309 & BS 102.

SURFACE PREPARATION

All surfaces should be sound clean and free of contaminates. Absorbent surfaces e.g. concrete should preferably be dampened with water. In kitchens, toilets and other wet areas all the opening should be properly sealed.

APPLICATION

LASTEEK RWE500 can be applied by brush, roller or squeegee. Hot dry or very porous substrate should be dampened with clean water prior to application of **LASTEEK RWE500**. For vertical application, it's recommended to apply the coating in multiple layers in order to avoid sagging of the heavy bodied coating. This can be best achieved by maximum rate of 200 microns per coat. Ensure that the preceding coat is fully dried before applying the successive coat, which should be applied at right angle to the preceding coat. All application should be continued up verticals to the existing damp proof course. Where the surface is to receive a render or plaster finish a keyed surface should be form by gritting the second coat with clean dry sand. Allow a minimum of 48 hours drying period before applying a render, plaster or floor screed. On all weak points such as cracks or around the pipes use a woven fiberglass mesh/geotextile as reinforcement between the two coats of **LASTEEK RWE500**.

LASTEEK RWE500 also acts as a curing compound; it may be applied to the concrete immediately after removal or formwork, eliminating the need of conventional curing with water. **LASTEEK RWE500** should not be used as curing compound on surfaces to be painted.

Tools can be cleaned with water as long as the product is wet. Once dry, by mechanical means only.

Dependable Waterproofing Solutions

ǂ TECHNICAL DATA

LASTEEK RWE500

PROPERTIES	TYPICAL VALUES	STANDARDS
COLOUR WHEN DRIED	BLACK	-
SPECIFIC GRAVITY	1.0	ASTM D 1475
NON – VOLATILE CONTENT	65%	ASTM D 2939
TOTAL VOALTILE ORGANIC COMPOUND	<100 mg/kg	-
RUBBER CONTENT IN DRIED FILM	10%	-
pH	10 – 13	-
DRYING TIME	1 – 3 Hours	ASTM D 2939
FULL DRY	3 – 4 Days	ASTM D 2939
SOFTENING POINT	110°C	ASTM D 36
WATER VAPOUR PERMEABILITY	0.15 gr/m²/day	ASTM E 96
ELONGATION AT BREAK	650%	ASTM D 412
RECOVERY	50%	ASTM D 412
RESISTANCE TO WATER (ASTM D 2939)	No Blistering or re-emulsification	ASTM D 2939
SERVICE TEMPERATURE	10°C - 50°C	-
PACKING	20 kgs pail or 200 Kgs steel drum	-
STORAGE LIFE	12 months in un-opened container	-
COLD FLEXIBILITY	-10°C pass	UEAtc

COVERAGE RATE:

1.6 kg/m^2 in 2 coats (0.8 kg/m^2/coat) for dry film thickness of 1mm recommended.

DELIVERY AND SITE HANDLING

LASTEEK RWE500 is supplied in 20 Kgs pail and 200 Kgs drums, each drum bearing the product name and manufacturing batch code.

PROTECTION FROM MECHANICAL DAMAGE

The cured membrane could be damaged by sharp objects and should be protected against damage and site abuse by other trades.

HEALTH & SAFETY:

The product should be stored in a cool place out of direct sunlight. Excessive exposure to sunlight will result in the deterioration of the product and reduces its shelf life. Proper care must be taken when applying the coatings. Wear protective clothing's, gloves and goggles ensure proper ventilation. Avoid contact with skin, eyes or inhalation. In case of accidental eye contamination, rinse immediately with plenty of water and seek medical advice. Refer to product Material safety Data sheet for detailed information.

The technical data given herein are the average values obtained on the test carried out on the material.

The tests are the industry standard for this type of material and comply with the criteria stipulated in ASTM.

In strategic alliance with **IMPERBIT MEMBRANE INDUSTRIES L.L.C. DUBAI, U.A.E.**

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