



## HEAVY DUTY RUBBER MODIFIED LIQUID WATERPROOFING COATING

**LASTEEK HD 700** is a heavy duty high performance elastomeric waterproofing coating. It forms a seamless, highly elastic and extremely durable UV resistance membrane specially formulated to provide water vapour permeability with very high resistance to re-emulsification when in contact with water.

### IMPORTANT FEATURES

- Cold applied, single component, water based - non toxic, environment friendly, non flammable.
- Superb adhesion, bonds tenaciously to most substrates including concrete, pvc pipes, bricks, bitumen asbestos, cement, slates, tiles, woods, existing roof felts and insulation boards.
- Excellent vapour barrier
- Excellent UV resistance
- Excellent movement capability (High crack bridging)
- Safe for using in internal confined areas, no dangerous vapors (no hydrocarbon solvent)
- Resistance to chlorides & sulphates usually present in the soil.

### USES

- Roof waterproofing, provides an elastomeric waterproof coating to new & refurbished roofs that are flat, pitched and irregular.
- Waterproofing of concrete and block foundations, cellar walls, retaining walls, basement and wet areas such as kitchen, toilet floors and balconies.
- Vapour barrier/ Damp proof membrane in sandwich panel construction.
- General multipurpose waterproofing coating used wherever a high performance, elastomeric waterproofing coating is required for long life & durability.
- Water reservoirs & swimming pools,
- Façade damp proofing, behind cladding & curtain walls.

### STANDARDS

**LASTEEK HD700** 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. Loose particles should be removed and damage spots repaired first, cracks should be filled up. In kitchens, toilets and other wet areas all the opening should be properly sealed.

### APPLICATION

Hot dry or very porous substrate should be dampened with clean water prior to application of IMI CONCRETE PRIMER W500. Prime the surface with IMI CONCRETE PRIMER W500 before applying **LASTEEK HD700**. It can be applied by brush, roller or squeegee. 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 HD700**. Tools can be cleaned with water as long as the product is wet. Once dry, by mechanical means only.

**Reinforcement:** Incorporate glass mesh/geotextile into the first coat of **LASTEEK HD700** when wet, allow the first coat to dry, which generally takes 24 hours to dry then apply a second coat.

**Finish:** For exposed system its recommended to embed clean sharp sand or colour mineral granules/slates on top before the coating dries, alternatively apply a very flexible reflective paint after the membrane fully cured atleast after a week.

**Protection:** **LASTEEK HD700** is resistant to light foot trafficking, however high heel shoes, furniture, maintenance access will cause damage & the waterproof membrane must be protected.

## † TECHNICAL DATA



## LASTEEK HD700

PROPERTIES	TYPICAL VALUES	STANDARDS
COLOUR WHEN DRIED	BLACK	-
SPECIFIC GRAVITY	1.02	ASTM D 1475
NON – VOLATILE CONTENT	65%	ASTM D 2939
TOTAL VOLATILE ORGANIC COMPOUND	<100 mg/kg	-
RUBBER CONTENT IN DRIED FILM	15%	-
pH	10 – 13	-
DRYING TIME	1 – 3 Hours	ASTM D 2939
FULL DRY	3 – 4 Days	ASTM D 2939
SOFTENING POINT	120°C	ASTM D 36
WATER VAPOUR PERMEABILITY	0.15 gr/m <sup>2</sup> /day	ASTM E 96
ELONGATION AT BREAK	1000%	ASTM D 412
RECOVERY	90	ASTM D 412
COLD FLEXIBILITY	-10°C pass	UEAtc
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	-



### COVERAGE RATE:

2.0 kg/m<sup>2</sup> in 2 coats (1.0 kg/m<sup>2</sup>/coat) for dry film thickness of 1.25mm recommended.

### DELIVERY AND SITE HANDLING

**LASTEEK HD700** 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.

IMI reserves the right to change or modify the data without prior notice. All reasonable care has been taken in compiling the data that to best of our knowledge is accurate and true. All recommendations are made in good faith. No responsibility can be accepted by us and no warranty is implied with regards to any of the recommendations made in the datasheet, since the condition of actual use and the labour involved are beyond our control. The products are warranted against manufacturing defects and sold subjected to IMI standard terms and condition of sale.

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

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