



HIR[®]
YOUR BUILDING MASTER



AMERICAN
TECHNOLOGY



GERMAN
TECHNOLOGY

TECHNICAL DATA



SUPER COAT WATERPROOFING



Aesthetic
Look



UV
Resistant



Strength



Waterproofing



Anti Crack



Self Curing



No Air
Bubble



Bonding



Breathable



Light Weight



DESCRIPTION

A polymer based system consists of cement and emulsion formulated using German Technology for best Waterproofing results.

The product passed Global Migration Test for Portable Water Laid down in US_FDA.

The Breathable membrane has property of resistance to water, and allow vapour to pass through.

Membrane is Resistance to Carbon dioxide Diffusion and High Resistant to Chloride Ion Penetration.

FEATURES

- High Quality Polymer Based
- 30 % To 40 % Elongation
- Tight And Tough Coat
- Wear And Tear Proof
- Water Resistance
- Breathable Membrane Water Vapour Can Pass Through
- Light Weight And Does Not Add More Weight

APPLICATION

- Terrace
- Balcony
- Kitchens
- Bathroom
- Toilet
- Watertank
- Swimmingpool

Coverage: 300 Sq.ft/2Coats/1mm/15Kg*

Pack: Part A 5Ltr + Part B 10Kg = 15Kg

APPLICATION OF HIR SUPER COAT

- Surface should be perfectly cured, dry and hard. Uneven surface should be smoothen with suitable materials and finishing products

SURFACE PREPARATION

a) The surface for waterproofing application has to be clean with wire brush as that all loose particles and dust can be removed.

b) Use Blower or Vacuum cleaner to remove fine dust.

PREPARATION

HIR SUPER COAT is two component waterproofing system Consist of Part A 5Ltr liquid and Part B 10Kg powder in the ratio of 1:2.

In Part A bucket add Part B powder gradually with continuous mixing with electric mixture until a homogenous consistency is obtained.

Leave the mixture for 2 minutes and mix again for approximately 30 seconds so that co-polymer completely dispersed into mix.

Properties	Units	Standard	SUPER COAT
COLOR	-	ASTM D 1544	GREY
SPECIFIC GRAVITY	-	ASTM D 1475-98	1.8
VISCOSITY	CPS	ASTM D 1200-10	23
MIX RATIO	Parts By Weight	MANUAL	1(R):3(A)
PH VALUE	-	ASTM D 1293	12
POT LIFE	MINS	IS 101	45
FUNCTIONAL CURE	HRS	ASTM D 1640	24
WATER ABSORPTION	%	ASTM D 570	0.2
WATER VAPOUR PERMEABILITY	G/M2/Day	ASTM E 96	1.4
WATER REPELLENCE	%	ASTM D 5401-93	80
VOC CONTENT	%	ASTM D 3960	NIL
TENSILE STRENGTH	N/MM2	ASTM D 412	1.9
ELONGATION AT BREAK	%	ASTM D 412	40
FLEXURAL STRENGTH	N/MM2	ASTM D 790	11
COMPRESSIVE STRENGTH	N/MM2	ASTM D 695	16.5
ADHESION STRENGTH	N/MM2	ASTM D 4541	2
CHLORIDE PERMEABILITY (REDUCTION)	%	ASTM C 1202	NEGLIGIBLE
HYDROSTATIC PRESSURE	BAR	ASTM C 1306	4.5
ABRASION RESISTANCE	MG/1000 Cycles	ASTM D 4213-08	15
MIGRATION TEST	PPM	IS 9845	6
TOXICITY	-	BS 6920-PART 1	NON TOXIC
COVERAGE @ DFT/THICKNESS/NO.OF.COATS	-	-	12.5SQ.M/20KG/ 1MM/2 COATS

APPLICATION

HIR Super Coat should be applied to a previously prepared surface and coated with 2 coat of HIR Base Coat.

a) Apply first coat of Super Coat using brush or roller in opposite direction to the flow of water both on the floor and wall minimum up to the height of 1.5ft above the mark of floor tiles or china mosaic.

Note: (opposite direct to the flow of water for 1. FLOOR means against the slope and for 2. WALL means horizontal)

b) After hardened of first coat Apply second coat of Super coat in the direction of water flow ,transversal to the previous coat.

Note: (in the direct to the flow of water for 1. FLOOR means towards the slope and for 2. WALL means vertical)

Apply super coat over the surface that cover the surface with optimal adhesion and achieve minimum thickness of 1 mm and maximum 2 mm. In the case of low temperatures and high humidity levels the waiting period between the two coats will be 24 hours.

Cleaning

Residual traces of the product can be removed from tools with plain water before the product has hardened.

NOTE:

- SURFACE TO BE APPLIED SHOULD BE MINIMUM 6 TO 8 WEEKS AGED (OLD).
- Do not add water, or other additive can affect the final result.
- Protect surface from sunlight, rain and heavy foot traffic as it is sandwich structure waterproofing.