



AMERICAN
TECHNOLOGY



GERMAN
TECHNOLOGY

TECHNICAL DATA



HIR HEAT X WATERPROOFING



Aesthetic
Look



UV
Resistant



Strength



Waterproofing



Anti Crack



Self Curing



No Air
Bubble



Bonding



Breathable



Light Weight



DESCRIPTION

HIR NERO COAT is a Black Membrane Waterproofing Chemicals.

It is a water base compound based on Styrene Butadiene copolymer with high bonding primer. HIR NERO COAT is applied after HIR BASE COAT AND SUPER COAT and form damp-proof membrane.

FEATURES

- Single component, easy to use apply by use brush and paint roller.
- High Elongation property can expand along with substrates avoid further cracks.
- Good Adhesion and Strong adhesion to masonry substrates
- High flexibility and elastomeric properties capable for crack bridging and seal hair line cracks.
- Tough and superior abrasion resistant which is Suitable for light foot traffic and tough weather conditions
- Economical – Cost effective and durable coating}
- Brilliant white colour UV resistant top coat reduces surface temperature up to 10°C** in the pick summer This property is applicable for terraces and only for white shade.
- Eco friendly, Non Toxic and Low VOC
- Resistance to Algae fungal and microbial growth

AREA OF APPLICATION

- Building roofs Terrace /RCC Terrace concrete surface or screed surface.
- Existing cementitious waterproofing coat.
- Air conditioned buildings
- Balcony
- Chajjas and parapets
- Mobile modular Home
- Coated Sheet

APPLICATION OF HIR HEAT X

- 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.
- c) Identify the cracks if it is less than 3mm fill cracks with HIR CRACK LOCK and if more than 5mm make "V" shape groove using cutting machine and fill cracks using HIR SEALANT.
- d) All type of plumbing leakages must be repaired.

PREPARATION

HIR HEAT X is single component waterproofing system. No need to add water, just mix the material before use.

APPLICATION

a) Apply first coat of Heat X 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 RCC Slab, floor tiles or china mosaic.
Note:(opposite direction 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 Heat X in the direction of water flow ,transversal to the previous coat.
Note:(in the direction to the flow of water for 1. FLOOR means towards the slope and for 2.WALL means vertical)

In the case of low temperatures and high humidity levels the waiting period between the two coats will be 4-6 hours.

Properties	Units	Standard	SHIELD
COLOR	-	ASTM D 1544	CUSTOM COLOR /Generally White
SPECIFIC GRAVITY	-	ASTM D 1475-98	1.155
VISCOSITY	CPS	ASTM D 1200-10	15
MIX RATIO	Parts By Weight	MANUAL	SINGLE
PH VALUE	-	ASTM D 1293	6.5
POT LIFE	MINS	IS 101	90
FUNCTIONAL CURE	HRS	ASTM D 1640	24
WATER ABSORPTION	%	ASTM D 570	0.2
WATER VAPOUR PERMEABILITY	G/M2/Day	ASTM E 96	10
WATER REPELLENCE	%	ASTM D 5401-93	90
VOC CONTENT	%	ASTM D 3960	NIL
TENSILE STRENGTH	N/MM2	ASTM D 412	5.8
ELONGATION AT BREAK	%	ASTM D 412	280
FLEXURAL STRENGTH	N/MM2	ASTM D 790	12
COMPRESSIVE STRENGTH	N/MM2	ASTM D 695	39
ADHESION STRENGTH	N/MM2	ASTM D 4541	2
CHLORIDE PERMEABILITY (REDUCTION)	%	ASTM C 1202	NEGLIGIBLE
HYDROSTATIC PRESSURE	BAR	ASTM C 1306	3
ABRASION RESISTANCE	MG/1000 Cycles	ASTM D 4213-08	10
MIGRATION TEST	PPM	IS 9845	7
TOXICITY	-	BS 6920-PART 1	NON TOXIC
COVERAGE @ DFT/THICKNESS/NO.OF.COATS	-	-	60 SQ.M/20KG/ 110MIC/2 coats

NOTE :

- SURFACE TO BE APPLIED SHOULD BE MINIMUM 6 TO 8 WEEKS AGED (OLD).
- Shake well before use.
- Do not add water, or other additive can affect the final result.
- Do not apply during rains or in extreme temperature.
- Do not tint the primer
- Keep the container tightly closed to prevent drying.
- Keep out of reach of children.

SAFETY AND PRECAUTION

- Always wear safety gear while handling of any chemical products.
- Wash skin with soap & water after coming in contact with skin.
- Immediately splash eyes with plenty of water. Consult Physician if irritation persists.