

CX COOL - N - COOL - HR

Heavy Duty Reinforced Acrylic mastic Waterproofing Coating For Slab

CX COOL-N-COOL HR

Heavy duty reinforced acrylic mastic
waterproof coatings for slab



DESCRIPTION:

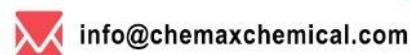
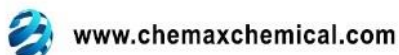
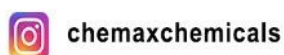
Cool Cool provides extremely long lasting protective coating that creates a thermal barrier which stands severe temperature and changes and provides long lasting protection again wind and rains.

ADVANTAGES:

1. Film thickness
2. Crack bridging
3. Application advantage
4. Suitability
5. Strength
6. Resilience
7. Durability
8. Abrasion resistant
9. Ease of application
10. Weight addition
11. Toxicity & Breathability

PACKAGING:

250gm, 500gm, 1kg,
5kg, 20 kg, 50 kg, 200kg



Office Address:

124. Avalon Business Hub, Katargam
Surat-3945004 (GUJARAT)-INDIA

CHEMAX CONSTRUCTION CHEMICAL PVT. LTD.

E-visit: www.chemaxchemical.com

Support : 1800 - 419-3637

Factory Address:

43-48. SAT SHREE SHYAM INDUSTRIES, NR
KOTHAVA GAM.KIM-394111.SURAT(GUJARAT)

**CX COOL – N – COOL - HR****Heavy Duty Reinforced Acrylic mastic Waterproofing Coating For Slab****Discription :**

- **CX COOL-N-COOL HR** is a heavy duty terrace waterproof coating system, composed of specially developed highly elastic & resilient acrylic polymers, properly selected & graded fillers, lightfast & weather durable pigments, micro-fibres, additives & best quality fungicidal in water medium.
- It is used as a liquid applied waterproofing membrane for all types of building terraces.
- **CX COOL-N-COOL HR** is a three-layer system with coats in different colours ensuring proper build-up of the thickness, making it a reliable waterproofing system.
- The coating performance can be enhanced for large roofs, by providing a fibre mesh that is embedded or sandwiched between the coats.

Use :

- Building roofs / Terraces– Flat & sloping.
- Over existing cementations waterproofing treatments like brickbat coba, concrete screeds, acrylic coatings, etc.

Advantages :

- Film thickness – Provides higher dry film thickness of 1 to 1.25 mm in three coat application
- Crack bridging - Bridges cracks up to 2 mm width
- Application advantage-Noneed to remove existingsound brickbat coba,plaster,concretesurface
- Suitability - Can be used for flat as well as sloping roofs
- Strength - Higher tensile strength, tear resistance & bond strength with cementations substrates
- Resilience – Forms highly elastic & resilient coating so helps to with stand the structural movements
- Durability – Resistant to UV & weather conditions
- Abrasion resistant – No additional protective coating is required for roof subjected to foot traffic
- Ease of application – Can be applied by brush & roller easily
- Weight addition – Light in weight does not add extra weight over the roof
- Toxicity – It is non-toxic in nature
- Breathability – It is breathable
- Easy to recoat existing surfaces coated earlier with **CX RAINSEAL 01**

**CX COOL – N – COOL - HR**

Heavy Duty Reinforced Acrylic mastic Waterproofing Coating For Slab

Technical Properties:

Solid Content	67% - 69%
Hardness (Shore A)(ASTM D 2240: 2002)	80
Tensile Strength (ASTM D 412 : 2002)	2.5 - 2.7 N/mm ²
Elongation at Break (ASTM D 412 :2002)	200%
UV Resistant (ASTM G 154 : 2000)	Excellent- No thermal degradation
Weathering (1000 hours)	No cracking, chalking and discoloration
Adhesion Strength(ASTM D 4541 : 2002)	0.9 N/mm ²
Water Vapour Transmission (ASTM E 96 : 2000)	19 g/m ² /day
Algae & Fungus Resistant (SS 345 : 1998)	No algae & fungus Growth
Crack Bridging ASTM C 836: 1995 a)	No cracks up to 2 mm width
Rapid chloride permeability (ASTM C 1202 – 97)	Very low
Waterpermeability(BSEN12390,part8:2000)	5-7(Depth of penetration at 5 bar pressure)

Application:**Surface Preparation:**

- Prepare the surface thoroughly by cleaning, washing and removing dust, dirt, oil, grease and loose particles. In existing old terraces with brickbat coba or screeds, the substrate must be checked for its soundness.
- Damage do rhollow portions, sharp edges, etc. must be cut and removed till the mother slab.
- The slab should be recoated with slurry of CHEMAX Hydroseal WH and cement in 1:1 proportion.
- After drying, the brick bat coba in that portion should be reinstated by mixing CHEMAX Hydroseal WH in the base slurry as well as while doing the top coba. In other areas, where the coba is sound, the surface cracks must be filled with. Crack-X or polymer-modified mortar in case cracks are wider than 5 mm.

CHEMAX CONSTRUCTION CHEMICAL PVT. LTD.

Office Address:

124. Avalon Business Hub, Katargam
Surat-3945004 (GUJARAT)-INDIAE-visit: www.chemaxchemical.com

Support : 1800 - 419-3637

Factory Address:

43-48. SAT SHREE SHYAM INDUSTRIES, NR
KOTHAVA GAM, KIM-394111, SURAT (GUJARAT)

**CX COOL – N – COOL - HR****Heavy Duty Reinforced Acrylic mastic Waterproofing Coating For Slab**

- Cracks less than 2mm, should be cleaned free of dust with a vacuum cleaner.
- Apply CHEMAX Primecoat in the crack and let it dry. Then pour **CX COOL-N-COOL HR** into these cracks and wait for it to dry.
- Ensure that the roof slope of a minimum of 1 in 100, is already provided. Bitumen based waterproofing treatments if existing, must be completely removed by mechanical scarification or by any other effective mechanical means.

Application :

- Dilute 2 parts of **CHEMAX** Primecoat with 1 one part of water. This dilution will cover 7 to 8 sq.mt. Allow it to dry for 6 to 8 hrs.
- Apply the first coat of **CX COOL-N-COOL HR** without any dilution at the rate of 2 m² per liter and allow it to dry before taking up the second and third coats, the rate of application being the same.
- In larger roofs, an open woven glass fiber mesh of 2.5 mm x 2.5 mm must be sandwiched between the first and second coat.
- While the 1st coat is still wet, place the fiber mesh on it. After the coat dries, start applying the 2nd coat of **CX COOL-N-COOL HR**. This improves the performance of the coating dramatically, to take care of all movements in cracks and cold joints in the substrate caused by variations of high and low temperatures.
- This reinforcement with fiber mesh shall be extended up to the drip mould over the angle fillets. Drying time between coats will be 6 to 8 hrs. Allow the system to air cure for 7 days minimum.
- A total thickness of 1 to 1.2 mm must be achieved when **CX COOL-N-COOL HR** is dry.

Maintenance & Recoating Of CX RAINSEAL 01 :

- Over a period of time or some years, if **CX COOL-N-COOL HR** has developed cracks on exposure to weathering or extreme temperature variations, it is extremely easy to recoat over it again, with only one coat of application of **CX COOL-N-COOL HR**.
- Cracks if any, can be treated by placing a fibre mesh over a recoat, while it is still wet.
- After this dries, it would need an additional coat over the mesh to strengthen the area.
- In rest of the area where there are no cracks or damage on the surface, you can just go in for only one coat of **CX COOL-N-COOL HR**, after properly sanding the surface.



CX COOL – N – COOL - HR

Heavy Duty Reinforced Acrylic mastic Waterproofing Coating For Slab

Precautions & Limitations :

- All corners, gaps, joints, protrusions & outlets shall be coated with two extra coats.
- Do not apply during rains; substrate **MUST** be in SSD condition for application of primer.
- The product is designed only for foot traffic and not vehicular or movement of machinery or equipment.
- Do not apply **CX COOL-N-COOL HR** over expansion or moving joints
- To achieve the full proof waterproofing, parapet walls should be covered with CHEMAX RAINPROOF.
- Never dilute **CX COOL-N-COOL HR** with water for ease of application

Coverage:

- 2-2.5 m² per KG @ double coat

Packing:

- 5 & 20 liter

Shelf Life & Storage :

- Shelf life is 12 months from the date of manufacturing in unopened condition.
- Store in a cool & dry place.