

CX RAINSEAL 01

Heavy Duty Reinforced Acrylic Mastic Waterproofing Coating For Wall

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Heavy duty reinforced acrylic mastic waterproof coatings for wall



DESCRIPTION:

It's compose of Specially developed highly elastic and resilient acrylic polymers properly selected and graded fillers, light fast and weather durable pigment, micro fibers, additive and best quality fungicidal in water medium.

ADVANTAGES:

1. Film Thicknes and crack bridging
2. Application advantage
3. Suitability and Strength
4. Resilience and Durability
5. Abrasion Resistant and Ease of Application
6. Weight Addition and Toxicity
7. Breathability

PACKAGING:

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



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Discription :

- **CX RAINSEAL 01** is a one part elastomeric coating based on UV curing acrylic dispersion. It has excellent flexibility, breathing properties, water resistance, crack bridging properties, weathering durability, and excellent resistance to growth of microbial organisms.
- It is used as a waterproofing & protective coating for exterior walls of the buildings because it forms higher film thickness, has excellent flexibility, breathing properties, water resistance, crack-bridging ability, weathering durability and an excellent resistance to the growth of microorganisms.

Uses :

- As weatherproof protective and decorative coatings for exterior masonry, concrete, cement sand rendered all types of exterior walls, etc. Also can be used on all types of drywall surfaces like gypsum, cement fibre boards etc.
- All types of exterior masonry surfaces, concrete, cement s and renderings, etc.
- Applicable on asbestos sheets.

Advantages :

- Provides higher dry film thickness of 1 to 1.25 mm in three coat application
- Bridges cracks up to 2 mm width
- Forms a tough film giving very good resistance against weathering and ageing
- Protects the building from corrosive atmosphere (highly resistance to chloride penetration)
- Suitable for saline environment due to ant carbonation properties
- Excellent resistance to microbial organisms like algae and fungi maintaining its aesthetic value
- Excellent dirt pickup resistance which provide long lasting bright color retention
- Water vapour permeable
- Very low VOC
- Non sag and evenly covering all surfaces
- Easy to clean
- Suitable for interior applications also
- Easy to recoat existing surfaces coated earlier with CX RAINSEAL 01
- Light in weight does not add extra weight over the roof
- Tough films withstands wind driven rain
- It is non-toxic in nature

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Properties :

Solid Content	67% - 69%
Nature	Single component
Specific gravity	1.29
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 AST M C 836: 1995 a)	No cracks up to 2 mm width
Rapid chloride permeability (ASTM C 1202 - 97)	Very low
Water permeability (BS EN 12390, part 8 :2000)	5-7 (Depth of penetration at 5 bar pressure)

How to 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. Damaged or hollow portions, sharp edges, etc. must be cut and removed till the mother slab.
- The slab should be recoated with slurry of **CHEMAX WATERSEAL WH** and cement in 1:1 proportion. After drying, the brick bat coba in that portion should be reinstated by mixing **CHEMAX WATERSEAL 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 polymermodified mortar in case cracks are wider than 5 mm. Cracks less than 2 mm, should be cleaned free of dust with a vacuum cleaner.

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- Apply **CHEMAX SBR LATEX 44** in the crack and let it dry. Then pour **CX RAINSEAL 01** 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 SBR LATEX 44** 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 RAINSEAL 01** 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 RAINSEAL 01**.
- 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 RAINSEAL 01** is dry.

MAINTENANCE & RECOATING OF CX RAINSEAL 01 :

- Over a period of time or some years, if **CX RAINSEAL 01** 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 RAINSEAL 01**.
- Cracks if any, can be treated by placing a fiber 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 RAINSEAL 01**, after properly sanding the surface.

Precautions & Limitations :

- All corners, gaps, joints, protrusions & outlets shall be coated with two extra coats.
- Do not apply during rains; substrate MUST be in SS D 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 RAINSEAL 01** over expansion or moving joints.
- To achieve the full proof waterproofing, parapet walls should be covered with **CHEMAX WATERSEAL WH**.
- Never dilute **CX RAINSEAL 01** with water for ease of application



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Disclaimer :

- The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage.
- Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products.
- Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained.
- The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

Coverage:

- 2-2.5 m² per liter @ single coat

Packing:

- 4 & 20 liter

Shelf Life & Storage :

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

Health & Safety Precautions:

- Skin Contact: Wash skin with soap & water. Remove contaminated clothes.
- On eye contact: Immediately splash eyes with plenty of water. Consult Physician if irritation persists.
- Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a Physician.