KEM PROOF 86

Elastomeric Waterproof Exterior Coating

Description

KEM PROOF 86 is a high quality, acrylic emulsion-based coating. It is elastomeric in nature and has good resistance to weather and sunlight.

Usages

As waterproofing and protective coating for exterior walls of buildings. Typical substrate includes masonry, concrete, cement, and waste plaster as well as cement boards.

Advantages

- ✓ Capable of resisting movements in structures and has good crack bridging and waterproofing properties due to its good film thickness.
- ✓ Excellent elasticity (<100% at 100 - 125 microns DFT). At the same time, it is tough enough to withstand heavy rains
- ✓ Has longer service life due to excellent UV resistance
- ✓ Good resistance to fungus and algal growth
- ✓ Good breathability and permeability to water vapour
- ✓ Non-toxic coating
- ✓ Low dirt pick up due to low tack-free time
- ✓ Ready to use and easy to apply using brush roller and spray
- ✓ Ensures desired thickness as there is no need for additional water for dilution

Typical Properties

- **Physical Appearance** : White emulsion
- **Specific Gravity %** : 1.27
- **% Solid Content** : 53
- **pH** : 7.5 - 8.5
- **% Elongation at Break** : Min. 100
- **Tensile Strength N/mm^2**: 1.0
- **Adhesion Strength N/mm^2**: 1.5
- **Brushability**: Easily brushable
- **Coating Thickness (2 coats DFT) microns**: 100 - 115
- **Water Permeability – Depth of Water Penetration**: 5 -7
- **Rapid Chloride Penetration Test - Chloride Ion Penetration**: Very low
- **Accelerated weathering (1500 hrs UV exposures):** No defects

Standards

KEM PROOF 86 complies to ASTM C 1202 - 97, BS EN 12390, ASTM D 412 - 02, ASTM E 96:2000, ASTM C 836:1995

Directions for use

Surface Preparation

All new cement-sand plasters / concrete surfaces should be allowed to cure for 6-8 weeks before surface coating. Clean the surface thoroughly. Remove all laitance, loose material, oil, grease, etc. by mechanical means such as by wire brushing and light grit blasting. Vacuum cleaning may be necessary in some cases. Any visible surface crack up to 5mm wide should be filled using KEM CRACKFILL 51. Cracks more than 5mm wide and separation gaps should be filled using KEM BOND50, KEM BOND 76 or as specified.

Priming

Prime the surface with one coat of KEM PRIME 89 or KEM PROOF 86 diluted with potable water by volume in 2:1 ratio (2 parts KEM PROOF 86- and 1-part water) and allow it to dry for 2-3 hours.

Application

Use KEM PROOF 86 directly from the container. Stir contents well before use. Apply two coats of KEM PROOF 86 without dilution using a brush, roller, or spray. The inter-coat interval should be 5-6 hours. For better protection of surfaces where the rainfall is particularly heavy, such as walls and chajjas, apply one additional coat for enhanced performance.

Curing:

The coated surface should be air cured for minimum 7 days.

Coverage

3-4.5 m^2/litre for 2 coats

Note: Coverage may vary depending upon the texture, porosity, and condition of the surface.

Packaging

5 *l*; 20 *l*

Precautions

- Do not dilute KEM PROOF 86. Do not apply when ambient temperature is below 10^{0}C or above 45^{0}C.
- Do not apply in windy and dusty conditions.

Chembond Chemicals Limited
Chembond Centre, EL-71 Mahape MIDC,
Navi Mumbai 400710. INDIA.
T: (+91 22) 62643000-03 • F: (+91 22) 2768 1294
www.chembondindia.com
Online Store: www.chembondindia.in
Email: enquiries.conschem@chembondindia.com

KEM PROOF 86

Elastomeric Waterproof Exterior Coating

- Do not apply in direct sunlight or during rains. Adhesion property may get affected over poor-quality putty and very smooth surfaces.

Storage and shelf life

Store in a cool and dry place. Keep away from direct sunlight and heat.

12 months from the date of manufacture when stored in original unopened bags, kept in dry conditions

Technical Service

Chembond has established itself in various fields based on its dependable technical service. For this purpose, we maintain a well-equipped laboratory for research & quality assurance of all products. Our experienced personnel are always on call and would always be available for product demonstrations and product performance monitoring.

Disclaimer

The information, based on our current level of knowledge, is given in good faith. It relates to the usage of CHEMBOND products when properly stored, handled, and applied. Users are advised to carry out trials prior to full scale usage. No assumptions should be made as to a product's suitability for a particular use or application. Users acknowledge this and agree to accept CHEMBOND's technical advice only as a guideline.

Chembond Chemicals Limited
Chembond Centre, EL-71 Mahape MIDC,
Navi Mumbai 400710. INDIA.
T: (+91 22) 62643000-03 • F: (+91 22) 2768 1294
www.chembondindia.com
Online Store: www.chembondindia.in
Email: enquiries.conschem@chembondindia.com