

CRETEBLAZER ACRL

Quality Acrylic Polymer for waterproofing Coating/ Repairing

Product Description

CRETEBLAZER ACRL is an acrylic emulsion polymer based additive / modifier for cement (Portland) based waterproofing and structural protective coating composition. It modifies / enhances the properties of cement such as bonding, impact, flexural and cohesive strength. It also improves the toughness, abrasion, wear and water resistance of cement in plaster and concrete. Even though it makes the concrete / plaster waterproof it retains the water vapour diffusion of the substrate. All these functions make CRETEBLAZER ACRL unique and versatile cement compatible polymer so that it can be safely used for structural repairs and rehabilitation jobs.



Benefits:

- ⦿ **Easy to use**
- ⦿ **Compatible with cement in all proportions.**
- ⦿ **Provides a tough, flexible, hard-wearing surface with waterproofing.**
- ⦿ **Bonds strongly to practically almost all the building materials.**
- ⦿ **Resists hydrostatic water pressure and remains unaffected in continuous contact with water.**
- ⦿ **Weather durable resist UV rays, dilute alkaline and acidic solutions and prevents substrate from erosion and corrosion.**
- ⦿ **Non toxic, no added heavy metal, when exposed to fire does not generate toxic fumes.**
- ⦿ **Allows trapped water vapour to escape and prevents blistering and peeling off problems.**

Application Areas:

CRETEBLAZER ACRL is suitable for, waterproofing of walls and sloppy roof terraces, waterproofing of sunken portions of toilet, water tank (concrete), swimming pool and basement structural repairs and rehabilitation of building with repairing concrete and masonry.

Typical Properties (Technical Characteristics)	
Appearance	Milky White liquid
% NVM by Wt at 1200 C/1Hr	32 ± 2 by wt.
Specific Gravity at 30°C	1.02 ± 0.02 gms/cc
PH at 302°C	8 – 10
Application time at 30°C, % RH 65 ± 5	1 to 1½ Hrs
Intercoat application time at 30°C, % RH 65 ± 5	3 to 4 hours of previous coat application
Setting time at 30°C, % RH 65 ± 5	Overnight
Total Curing time at 30°C, % RH 65 ± 5	Minimum 14 days
Method of application of coating	By brush
Finish after mixing with cement	Cementitious grey finish
Adhesion to concrete, plaster, asbestos, steel and wood substrate	Excellent
Volatile organic Matter (VOC) %, By weight	<1.0

Surface Preparation:

Surface preparation is very important to get the best result and to avoid failure. The substrate must be clean and free of dirt grease, sludge, fungus, cement coating blistered and loose plaster etc. Moisture is necessary for effectiveness, therefore the substrate must be soaked and dampened with water. However streaming water must be diverted by creating drains. Do not apply the polymer in rain. Cracks must be sealed with suitable elastic sealant.

Mixing:

For Waterproofing Coating: CRETEBLAZER ACRL is mixed with neat fresh cement in the ratio of 1:2 by weight. The mix has to be stirred thoroughly until smooth homogeneous slurry is recommended. First coat should be allowed to air dry for 5-6 hours prior to apply subsequent coat. Protect the applied coating from rain and traffic at least for 24 hours. Moist curing shall be done for the next 24 hours by spraying/sprinkling of potable water. During this period at no point of time should the CRETEBLAZER ACRL coating be left completely dry or submerged in water.. After 3 days the coating shall be immersion under water.

Cleaning:

Tools and equipment to be cleaned with water when the material is in uncured state.

Coverage:

Highly absorbing surface: 35-45 Sq.ft./ 3 kg. mix

Poor absorbing surface: 45 -50 sqft. / 3 kg mix.

Precautions:

Do not dilute the material with water.

Do not apply during rain

Do not apply one dry surface.

Packaging:

1, 5, 20 liters HDPE plastic jars and drums.

Storage & self life:

Store in cool and dry place in original sealed containers. Shelf life is one year from the date of manufacture. Do not store in freezer and under direct sunlight.

WEATHERBLAZER INDIA PVT. LTD.

Plot No. 74, Income Tax Colony, Kotwal Nagar, Pratap Nagar,
Nagpur, Maharashtra 440022

