



# RAINSHIELD

## Acrylic Elastomeric Exterior Waterproofing Coating

Dubond's Rainshield is composed of high quality acrylic emulsion polymer, light fast & weather durable pigments, properly selected & graded fine fillers, additives & biocides. It is used as a waterproofing & protective coating for exterior walls of the buildings.

### Areas of Application

- All types of exterior masonry surfaces, concrete, cement sand renderings, etc.
- Applicable on asbestos sheets.

### Features and Benefits

- **Waterproofing** – Higher film thickness provides crack bridging ability, waterproofing properties.
- **Flexibility** – Flexible and covers hairline cracks (upto 0.5 mm) effectively, thus prevents ingress of water.
- **Toughness** – Tough film withstands wind driven rain.
- **Elastomeric** – High elasticity easily withstands stress caused by thermal expansion & contraction
- **Ready to use** – No dilution is required
- **Microbial resistance** – Resistance to fungus and algae hence maintains the aesthetic value.
- **UV resistant** – Resistance to UV hence coating has longer life.
- **Low dirt pick up** – Very low dirt pick up & can be cleaned easily hence maintains the aesthetics.
- **Breathability** – Permeable to water vapour.
- **Ease of application** – User friendly, easily applicable by brush, roller or spray.
- **Non Toxic** – It is Eco friendly.

### Method of Application

#### 1. Surface Preparation

- All new cement-sand renderings /concrete surfaces should be allowed to age 6 to 8 weeks before surface coating.
- Surface for treatment must be thoroughly cleaned of all laitance, loose material, oil, grease, etc. by mechanical means such as wire brushing & shot blasting.
- Finally vacuum cleaning of all loose solids and liquids can be done, if required.
- All surface cracks up to 5 mm width should be filled up with Dubond's Acrylic Crack Filler.

#### 2. Priming

- All types of exterior masonry surfaces, concrete, cement sand renderings, etc.

#### 3. Application

- Use Dubond's Rainshield directly from the container. Stir contents well before use.
- Apply two neat coats of Dubond's Rainshield without dilution by brush or roller at a time interval of 5-6 hours.
- For enhanced protection, apply additional coat of Dubond's Rainshield on rain lashing walls, chajjas and parapet walls.
- Allow the coated surface to air cure fully for 7 days.

#### 4. Precautions & Limitations

- Do not dilute Dubond's Rainshield.
- Recommended to be primed with Dubond's Hydro Prime only.
- Do not apply when ambient temperature is below 10°C or above 45°C.
- Do not apply in direct sunlight or during rains.
- Adhesion property may get affected over putty and very smooth surfaces.

#### Technical Information

PROPERTIES	SPECIFICATION	RESULTS
Nature		Single Component
Appearance		Emulsion (available in white & dark bases)
PH		7.5 - 8.5
Specific Gravity		1.30 + 0.01
Solid Content %		Min. 52%
Elongation %	ASTM D 412-02	Min. 60%
Water Permeability - Depth of water penetration	BS EN 12390	6
Reduction in water penetration		68%
Rapid chloride penetration test - Penetration of chloride ion	ASTM C 1202 - 97	Very Low
Algae & Fungal resistance		No Growth
Accelerated weathering - 2000 hrs UV exposure	ASTM D 4587	No Defects
Tensile Strength, N/mm <sup>2</sup>	ASTM D 412 - 02	1.5
Adhesion Strength, N/mm <sup>2</sup>	ASTM D 4541	1
Coating Thickness (2 coats DFT), microns		110

#### Coverage

3.0 to 3.5 m<sup>2</sup> per litre for 2 coats.\*

Coverage may vary depending upon the texture and porosity of the surface.

#### Packing

1 ltr, 4 ltr, & 20 ltr.

#### Shelf Life & Storage

Shelf life is 24 months from the date of manufacturing in unopened conditions. Store in a cool and dry place.

Keep away from direct sunlight.

#### 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.



#### Dubond Products (India) Pvt. Ltd.

C-3, 1001, Anushruti Tower, S.G. Highway, Thaltej,  
Ahmedabad-380054. Gujarat - INDIA

Ph: 91-79-2685 6815 Fax: 91-79-2685 6816

Email: info@dubond.in Website: www.dubond.in

**Customer Care : +91 9377177771**

**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.