

### 1.0 Description:

- RAINCOAT is an acrylic emulsion paint with special additives that give it superior flexibility.
- Characterized by high resistance to weathering and ultraviolet rays.
- Excellent resistance to alkalis and rainwater.
- It can be used on cement and concrete tiles, roof tiles and mosaic.
- Resistant to the growth of bacteria, fungi and algae.
- It can be reinforced with a layer of fiberglass or light cloth between the layers of paint to provide more resistance to movement, especially in hot places.

### 2.0 Uses:

- Insulating elastic layer over cement tiles and mosaic against rainwater for rooftops, etc.
- White in color to enhance Heat resistance.
- Prevents the appearance of hairline cracks on the surface.

### 3.0 Approval & Certification:

Solid Content	: ASTM D2369 (2020)
Density	: ASTM D1475 (2020)
Drying Time 25°C	: ASTM D1640/D1640M-14(2022)
Consumption m <sup>2</sup> /kg (200microns)	: ASTM D2805 (2018)
Gloss angle 60° (GU)	: ASTM D3928 (2018)
Heat Resistance 48hrs in 60°	: ES 1539 (2021)
Adhesion to concrete (Cross Cut)	: ASTM D3359 (2023)
UV Resistance for 7 days	: ES 1539 (2021)
Weathering resistance for 300hrs	: ES 1539 (2021)
Washability of 120 microns (cycle)	: ES 1539 (2021)
Pull off test (mega pascal)	: ASTM D638 (2014)
Elongation on Break %	: ASTM D638 (2014)
Crack Resistance (mm) 200 microns	: EN 1062-7:2004

### 4.0 Colours:

Shall be produced in different colours according to color chart or as required.

### 5.0 Product Data:

Binder	: Modified synthetic resins
Solid Content	: 70.5 %
Density	: 1.52 gm / cm <sup>3</sup>
Consumption (200 microns)	: 4.9 m <sup>2</sup> / kg
Gloss angle 60°	: 2 (matt) GU
Heat Resistance 48hrs in 60°	: passed
Adhesion to concrete (Cross cut)	: 5B (high adhesion)
Sunlight Resistance for 7 days	: passed
Weathering resistance for 300hrs	: No blistering, chalking, cracking nor change in color
Washability of 120 microns	: >10000 Cycle
Pull off test (mega pascal)	: 0.67 MP
Elongation on Break %	: 450 %
Crack Bridge for 200 microns	: 1.8 mm

*Notes: Above values are subjected to slight changes depending on colour and temp.*



6.0 Film Thickness per coat:

Wet film Thickness	: 130 - 200	microns
Dry Film Thickness	: 90 -140	microns

*Note: Film thickness shall vary and is calculated as average*

7.0 Consumption per coat:

Consumption	: 200 – 300	gm/m <sup>2</sup>
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*Note: Consumption depends on film thickness applied, type of texture, surface condition, defects, temperature, etc.*

8.0 Surface Preparation:

- Substrate should strong enough to receive the paint.
- All weak or separated layers in substrate should be removed.
- Any defects in the substrate like cracks, pin holes should be repaired before painting.
- Smooth the surface by sanding.

9.0 Application Methods:

1. Clean the substrate from dust and foreign materials and remove weak parts.
2. Damp the substrate with water.
3. Apply skirting using CRETEREP 70P in the intersection of vertical and horizontal surfaces.
4. In case the substrate is tiles open the tile joints and fill them with RUBFILL or add F2 filling materials to RAINCOAT to make a flexible paste to fill the joint.
5. Paint primer VERSASEAL diluted 25% water.
6. After the primer dries apply the first coat of RAINCOAT (diluted 10% with water) on the substrate and the skirting previously applied using a roller or brush.
7. Apply second coat of RAINCOAT after 4 hours of painting the first coat.
8. Repeat the previous step till you reach a thickness of RAINCOAT not less than 200 microns after drying.
9. Wash the tools used with water immediately after finishing.

*Notes:*

- *The temperature of substrate should not exceed 30<sup>o</sup>C during application & it is recommended to damp the surface using water, especially in summer.*
- *Masking tape must be removed immediately after application of the topcoat.*

10.0 Product weight:

Total Weight	: 15, 125	kg
Container	: Sealed pre weighed plastic Containers / barrels	

11.0 Drying time:

Surface Dry	: 30	min
Hard Dry	: 1	Hours
Recoating	: 6	Hours

*Note: drying time depends on air circulation, temperature, film thickness and number of coats, and will be affected correspondingly.*

### 12.0 Recoating:

- Duration between any two successive coats should be at least 4 hours.
- Recommended to recoat with the same base type of previously applied paint.
- In case of multi-coat application, drying times will be affected by the total thickness.
- The surface should be dry and free from any contamination prior to application.

### 13.0 Disclaimer:

- The information in this document is given to the best of our knowledge, based on laboratory testing and practical experience. We cannot guarantee anything but the above-mentioned quality of the products themselves. Minor product variations may be implemented to comply with local requirements. We reserve the right to change the given data without further notice. Users should always consult us for specific guidance on the general suitability of this product for their needs and specific application practices.
- Samples of any approved delivered materials shall be retested after delivery.
- These products are for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to our technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to our responsible representative for approval before commencing the work.

### 14.0 Handling of Emulsion Products:

- Avoid contact with eyes and skin. Emergency showers and eyewash stations should be readily accessible.
- Adhere to work practice rules established by government regulations.
- Use personal protective equipment.
- When using, do not eat, drink, or smoke.

### 15.0 Compatibility:

- Primers applied prior to specified product shall always be acrylic based products.
- For Repairing and fixing defects, products shall always be cement based products
- Recoating shall be acrylic products.

### 16.0 First aid Measures:

- General advice: Seek medical advice. If breathing has stopped or is laboured, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
- Eye contact: Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.
- Skin contact: Immediately remove contaminated clothing, and any extraneous chemical, if possible, to do so without delay. Initiate and maintain gentle and continuous irrigation.
- Take off contaminated clothing and shoes immediately.
- Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
- Inhalation: Move to fresh air.

### 17.0 Storage:

- Store above ground and surrounded by dikes to contain spills or leaks.
- Do not store in humid or extra hot weathering conditions.
- Keep containers tightly closed away from heat & in dry, cool, and well-ventilated place.