



ARMSTRONG CHEMICALS PVT. LTD.,
Bengaluru
An ISO 9001 Certified Company



Fibre Reinforced Acrylic Elastomeric, Abrasion Resistant
Solar Reflective Heat Reducing Waterproof Coating

(Complies with ASTM - 836/89; D 2240; D 4541; D412; G154 & E96)

DESCRIPTION :

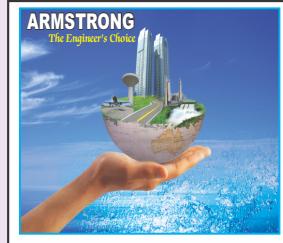
RAINPROOF FRC 611 is single component fibre reinforced acrylic elastomeric abrasion resistant solar reflective heat reducing waterproof exterior coating which is designed as a membrane coating to improve the elongation properties to bridge the existing and future cracks over a wide temperature.

It is a self cured component after application which forms an impervious, tough, hard and abrasion resistant coating, It has exceptional strength and inflammability that prevents peeling, fungus, algae growth.

This provides a barrier that can withstand expansion and contraction movements due to heat buildup on the roof surfaces. An aliphatic elastomeric film formation coating

provides tough, durable flexible membrane with high levels of resistance to UV rays sunlight, frost, rainfall etc. Reduces the temperature between 8-10°C, being an insulation based acrylic coating, provides carbon dioxide penetration.

Basically it is in white multi layer system of waterproofing Solar reflective coating (3 layers) is recommended for various types of roof surfaces, like concrete / asbestos / metal on both existing and new surfaces.



RECOMMENDED FOR :

Roofs, Terraces, ACC / Galvanised Roofing sheets,

Over existing cementitious waterproofing treatments like sound brick - bat coba, concrete screeds, Bitumen treated surfaces, any Armstrong's coatings, etc.

FEATURES :

- ◆ Provides excellent Solar Reflection and re-radiated heat back to atmosphere. ◆ Crack bridging & Waterproofing.
- ◆ Abrasion Resistant and suitable for foot traffic. ◆ Long - term durability : Excellent UV resistance and all weather proof. ◆ Solar reflection leads to energy saving hence reduction in electrical consumption. ◆ Forms a breathable film, enhances durability of the structures. ◆ Non-toxic water based system - eco friendly.

TECHNICAL INFORMATION :

S.No.	Property	Typical Value	Test Method/Confirm to
1.	Appearance of the Product	Viscous liquid	
2.	Colour / Consistency	White	In our Lab Test
3.	Complete curing time at 30°C	4 to 5 days	In our Lab Test
4.	Re-coatability time at 30°C	4 to 5 Hrs	In our Lab Test
5.	Solids content %	69 (+ / -1)	ASTM-D-1076
6.	Touch dry at 25°C	Approx. 2 Hrs.	In our Lab Test
7.	Density	1.30 gm. / cc (+/- 0.05)	ASTM-D-1455-16
8.	Tensile strength	4.3 N/mm ²	ASTM-D-412 : 2002
9.	Tear Strength	>15 N/mm ²	ASTM-D-1004 : 76
10.	Elongation at Break	200%	ASTM-D-638 : 2002; ASTM D12
11.	UV Resistance	2000 Hrs No. deterioration. No color fade	ASTM-G-154 : 2000
12.	Solar Reflectivity Index (SRI)	106	ASTM-E 903
13.	Dry peel adhesion, lbs /sq.in	65	ASTM-C-297
14.	Application Temperature	5° to 50°	In our Lab Test
16.	Adhesion strength N/mm ²	> 1.5 N/mm ²	ASTM D 4541: 2000
17.	Crack Bridging	No Cracks upto 2 mm width	ASTM-C-836 : 1995
18.	Water Permeability	No leak @ 7 bar	ASTM - C - 297 & BSEN 12390 Part 8
19.	Dry Film thickness at 1 Kg./m ²	680 microns	
20.	Hardness Shore A	80	ASTM D2240-2022
21.	Resistance to Algae Growth	Passes	ASTM D 5589-97
22.	Water vapour transmission	6.0 g/m ² h	ASTM E 96



