

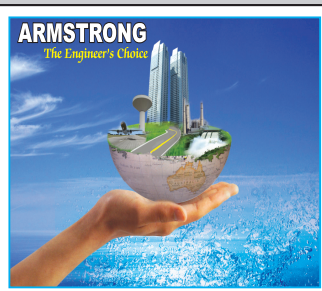
ARMSTRONG CHEMICALS PVT. LTD.,
Bengaluru
An ISO 9001 : 2015 Certified Company



Acrylic Elastomeric Waterproof Exterior Coating
(Confirming to ASTM C-836/89 A)

DESCRIPTION OF THE PRODUCT

RAINSEAL Single component 100% pure Acrylic Elastomeric Waterproof Exterior Coating, which is designed as membrane coating to improve the Elongation properties to bridge the existing and future cracks over a wide temperature range. It is self cured component, after application which forms an impervious, tough, hard and abrasion resistant coating, it has exceptional strength and inflammability that prevent peeling, fungus, algae growth. It provides waterproof and weather durable coating, it remains unaffected by salt water, soap water, mild Acids and Alkalies. It provides multi-functional and a very effective heat transfer barrier with total waterproofing.



FEATURES AND ADVANTAGES

- Self curing, no external curing is required, high breaking strength and tear resistance
- Cures to hard, tough, flexible wear resistant surface at ambient temperature.
- Reliable crack bridging - Excellent elongation properties and recovery
- Seamless membrane with good breathability. Highly resistant to fungus & micro-organism growth.
- Excellent adhesion strength to cement concrete / mortar, asbestos, mild steel surfaces.
- Resistant to UV light and weathering exposure, reflects the sunlight and reduces the room temperature around 8°C with three coats of application.
- Excellent resistant to mild acids, Alkalies, Oils/solvents and other chemicals.
- Performs well in service temperature range of -20°C + 80°C
- Can be used on bitumen coated surfaces also
- As white in colour it can be intend with universal stainers for desired colour shades.

S.No.	Property	Typical Value	Test Method/Confirm to
1.	Colour / Consistency	White / Thixotropic Liquid	In our Lab Test
2.	Finish	Smooth & Matt	In our Lab Test
3.	Complete curing time at 30°C	3 days	In our Lab Test
4.	Recoatibility time at 30°C	3 to 4 Hrs	In our Lab Test
5.	Solids content %	69 (+ / -1)	ASTM-D-1076
6.	Curing Time at 25°C	Approx 3 to 4 Hr for touch dry	In our Lab Test
7.	Viscosity CPS	55000-65000	Brooke field
8.	Density, Kg / l	1.30 (+/-0.05)	ASTM-D-1455-16
9.	Tensile strength N/MM ²	2.6	ASTM-D-412 : 2002
10.	Tear Strength	>15N/MM ²	ASTM-D-1004 : 76
11.	Elongation, at Break%	450	ASTM-D-412 : 2002
12.	Hardness shore A	80	ASTM-D-2240 :2002
13.	UV Resistance	2000 Hrs No. deterioration. No color fade	ASTM-G-154 : 2000
14.	Heat Reflectivity in white finish	80% ± 2	ASTM-E 903
15.	Flexibility	No cracking of film after 1000 hrs accelerated weathering conditions and flexed 180°C	In our Lab Test
16.	Dry peel adhesion, lbs /sq.in	65	ASTM-C-297
17.	Dry film thickness	0-55 microns per coat	In our Lab Test
18.	Water Vapour Transmission	19g/m ² day	ASTM-E-96 : 2000
19.	Algae & Fungus Resistant	No algae & fungus growth	SS 345 : 1998
20.	Adhesion strength N/mm ² 0.9	Excellent, meets the standards	ASTM D 4541: 2000
21.	Crack Bridging	No Cracks upto 2 mm width	ASTM-C-836 : 1995
22.	Water Permeability	7 - Pass -	BS EN 12390 Part 8 : 2000/ASTM-C-297&DIN 1048
22.	Cured Membrane DFT	1775 microns	

TYPICAL APPLICATIONS

- Excellent waterproofing of RCC substrates, such as roof terraces flat or sloppy and folded plate roof, domes, roof gardens etc.,
- Waterproofing of stone walls / brick / wood etc.,
- Waterproofing of corrugated AC sheet roofing / metal sheets etc.,
- Heat transfer barrier coating to reduce the room temperature.
- Joint less and seamless membrane waterproofing with moderate heat insulation.

SURFACE PREPARATION :

Surface should be absolutely dry and free from dirt, dust, rust, loose paint, loose particles, damaged plaster, oils, fungus and algae by means of cleaning the surface with wire brush and water wash. Acid etching has to be done if required, before water wash.

APPLICATION

After thorough preparation of surface, all the cracks must be sealed with relevant sealants (ROOFSEAL PS / PU for Terrace treatments, WONDERSEAL XL for External Walls treatments) and apply the first coat of RAINSEAL mixing with upto 20% of water by brush or airless spray on the entire surface and after a time interval of 3 to 4 Hours, apply the second coat of RAINSEAL mixing with 20% of water, over the first one and allow the entire coating to cure for 3 days before allowing the movements on it or before testing with water for leakage.

As per the site conditions if required reinforce the coating by incorporating fibre mesh / fibre glass tissues on the first wet coat and over that apply the second coat, if required another coat of the same recommended for increased warranty period of the coating.

If the area earlier treated with bitumen coat, remove the same as much as possible and can be applied as above recommended, being it provides excellent adhesion properties even with bitumen stains. If area requires primer coat, add 50% water and apply.

Covering: Concrete surface 50 to 70 Sq.ft / Ltr / Per coat (covering depends on roughness and porosity of surface)

CLEANING OF TOOLS AND EQUIPMENT :

Tools and equipments can be cleaned with water, immediately after application.

STORAGE & SHELF LIFE

The product has shelf life of twelve months from the date of manufacturing, if stores in original packing and temperature between 10°C to 30°C.

PACKING : 1, 4, 20, 80 & 210 Ltrs. Packing

PRECAUTIONS :

- Make sure the surface should be perfectly cleaned
- Sprinkle the water during the first coat, if application carries at around 40°C temperature.
- Avoid application at below 10°C temperature as it prolong the drying and curing period of the coating
- Store at cool and dry place

Whilst **ARMSTRONG CHEMICALS PVT LTD** strives to ensure that any advice, information or recommendation given are appropriate and correct. It cannot accept any liability directly or indirectly arising out of the use of products since the method and place of application of the products are beyond its control.



Manufacturers :

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An ISO 9001 : 2015 Certified Company



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