



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

# RAINPROOF<sup>®</sup> COOL 655

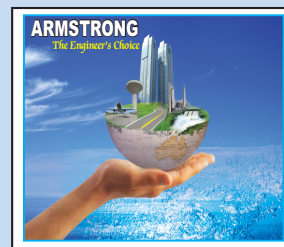
**100% Pure Acrylic Highly Elastomeric,  
Solar Reflective Heat Reducing & Waterproof Coating**

## DESCRIPTION :

**Complies with ASTM C297; E903; C836/89A and BS EN 12390 Part 8:2000 and DIN 1048**

RAINPROOF COOL 655 - 100% Pure Acrylic Solar reflective coating and Heat reducing waterproof coating provides barrier that can withstand expansion and contraction movements due to heat build-up on the roof surfaces, metal roofs and external walls with excellent waterproofing. Elastomeric film formation coating provides tough, durable, flexible membrane of weather and waterproof with high levels of resistance to UV rays, sunlight, frost, rain fall etc. Being its an insulation based acrylic coating. Provides aesthetic appeal and protection against water and carbondioxide penetration. Basically it is in white. Multi layer system of waterproofing / solar reflective coating recommended for various types of roof surfaces - concrete / asbestos / metal / wood etc. both new and

existing surfaces, and also as a paintable coating on exterior wall surfaces of structures. High solar reflective index of the membrane serves as a heat reflective surface and heat ingress, keeping the interior of the building cooler.



## RECOMMENDED FOR :

Building Roofs / Terraces - ACC / Galvanised Roofing sheets/Metal Roofs & External Walls.

Over existing cementitious waterproofing treatments like sound brick - bat coba, concrete screeds, any coatings, Bitumen treated surfaces etc. Suitable as a heat reflective coating on bituminous membrane / coatings.

## FEATURES :

- ❖ Provides excellent Waterproofing with Solar Reflection and re-radiated heat back to atmosphere.
- ❖ Crack bridging ❖ 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 upto 20%.
- ❖ 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	3.0 N/mm <sup>2</sup>	ASTM-D-412 : 2002
9.	Tear Strength	>15 N/mm <sup>2</sup>	ASTM-D-1004 : 76
10.	Elongation at Break	200%	ASTM-D-638 : 2002
11.	UV Resistance	2000 Hrs No. deterioration. No color fade	ASTM-G-154 : 2000
12.	Heat Reflectivity in white finish	87% ± 2	ASTM-E 903
13.	Solar Reflective Index	108	ASTM-E-1980-11
14.	Application Temperature	5° to 50°	In our Lab Test
16.	Adhesion strength N/mm <sup>2</sup>	> 1.5 N/mm <sup>2</sup>	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
19.	Dry Film thickness at 1 Kg./m <sup>2</sup>	680 microns	
20.	Solar Emittance	Approx. 0.98	EN-673
21.	Abrasion resistance	6300 Cycles	



## METHOD OF APPLICATION :

### Surface Preparation

- Prepare the surface thoroughly by cleaning , washing and removing dust , dirt, oil grease and loose particles.
- Surface cracks must be filled with Polyurethane sealant - ROOFSEAL PU / Polysulphide Sealant - ROOFSEAL PS or polymer modified mortar in case of wider cracks / disturbed areas, if required waterproofing.

## APPLICATION :

Providing application of one coat of RAINPROOF COOL 655 mixing with water @ 1:0.5 ratio as a primer coat application. Apply two coats of RAINPROOF COOL 655 mixing with 10% of water, allow for dry for 2-3 Hrs.

Can be applied on the coatings like RAINSEAL 200 /RAINSEAL RWC 902 / RAINSEAL BMW 250 / RAINPROOF PU 400 / RAINSEAL B300 / ROOFCOAT FLEXI 100 etc - generally two coats recommended on any surfaces like cementitious, bituminous, polymer and PU coatings.

## PRECAUTIONS & LIMITATIONS :

The product recommended only for light foot traffic and not for movement of machinery or equipments.

To achieve the full proof waterproofing, follow as mentioned in surface preparation and all parapet walls should be covered with RAINPROOF COOL 655.

## COVERAGE :

1 Ltr. / 50 to 60 sft. / per coat.

## PACKING :

1, 5, 10, 20 & 210 Ltrs

## SHELF LIFE :

2 Years from the date of manufacturing.

## STORAGE :

Store in a cool and dry place.

## HEALTH & SAFETY PRECAUTIONS :

**Skin contact :** Wash skin with soap & water.

**On eye contact :** immediately splash eyes with plenty of water, consult physician if irritation persists.

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 :**

**ARMSTRONG CHEMICALS PVT. LTD.**

An ISO 9001 : 2015 Certified Company



The Engineer's Choice

36/1, G-5, New International Airport Road, Ganga Nagar, BENGALURU - 560 032.  
E-mail : [armstrongchemicals@gmail.com](mailto:armstrongchemicals@gmail.com); Web : [www.acpl.live](http://www.acpl.live) | [www.armstrongchemicals.in](http://www.armstrongchemicals.in)  
Please Contact for Customer Care Information : **08095621122** Toll Free No. **1800 103 2034**

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