



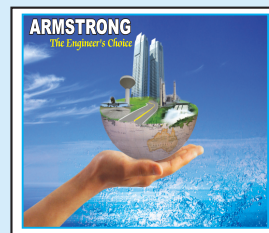
ARMSTRONG CHEMICALS PVT. LTD., Bengaluru
An ISO 9001 Certified Company



**Specially designed with Insulated Fillers and
100% Pure Acrylic Solar Reflective & Heat Resistant Coating**
(Complies with ASTM E 903; E 1980; C 297; C836/89 & EN 12390-8/2019)

DESCRIPTION :

SUMMERPROOF COOL 644 - 100% Pure Acrylic Solar reflective and Heat reducing coating provides heat barrier to reduce the heat build-up on the roof surfaces, metal roofs and external walls. An insulated film formation coating provides tough, durable membrane with high levels of resistance to UV rays & sunlight. Being its an insulation based ceramic powders blended acrylic coating. Provides aesthetic appeal and protection against carbondioxide penetration. Basically it is in white. Multi layer system of 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 :

Terrace / Madras Terrace / Roofs / Slooped roofs / ACC / GI Sheets etc and external walls as an external solar reflective and heat resistant waterproof coating. Can be applied on over existing cementitious treatments like sound brick - bat coba, concrete screeds, and on any coatings like bituminous, polymer, PU coatings treated surfaces etc. Suitable as a heat reflective coating on bituminous membrane / coatings.

ADVANTAGES :

- ❖ Reflects the sunlight & reduces the temperature. ❖ Single component.
- ❖ Easy to apply Most economical ❖ Jointless and seamless membrane & heat resistant.
- ❖ Solar reflection leads to energy saving hence reduction in electrical consumption upto 25%.

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	2 to 3 days	In our Lab Test
4.	Re-coatability time at 30°C	3 to 4 Hrs	In our Lab Test
5.	Solids content %	67 (+ or - 2)	ASTM-D-1076
6.	Touch dry at 25°C	Approx. 2 Hrs.	In our Lab Test
7.	Density	1.40 kg. / ltr.	ASTM-D-1455-16
8.	Tensile strength	2.0 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
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	110	ASTM-E-1980-11
14.	Application Temperature	5° to 30°	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.	Dry Film thickness at 1 Kg./m ²	680 microns	
19.	Hardness Shore A	80	ASTM D2240-2022
20.	Dry peel adhesion, ibs /sq.inc.	65	ASTM-C-297



METHOD OF APPLICATION :

Cleaning of the surface from dirt, dust and other contaminations and wash the surface ★ Providing and applying two coats of SUMMERPROOF-COOL 644 diluting with 10% of water by brush/ sprayer to reduce the heat. If required to reduce the heat further, apply one coat of primer dilute with 50% water.

APPLICATION :

Providing application of one coat of SUMMERPROOF COOL 644 mixing with water @ 1:0.5 ratio as a primer coat application. Apply two coats of SUMMERPROOF COOL 644 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 / ROOF COAT 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 full heat resistance, wash the surface properly and all parapet walls should be covered with SUMMERPROOF COOL 644 along with the terrace / roofs.

COVERAGE :

1 Ltr. / 50 sq. ft. / per coat.

PACKING :

1, 5, 10, 20 & 210 Ltrs

SHELF LIFE :

1 Year 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



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Authorised Distributor / Stockist

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