



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



SUMMERSHIELD[®]

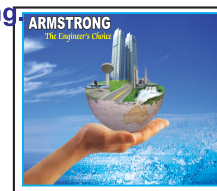
COOL 666

A Nano UV Protection, micro fibre reinforced and Insulation with IR reflective pigments, 100% Pure Acrylic Polyurethane Blended Abrasion resistant Solar reflective, Heat Reducing & Waterproof coating.
(Complies with ASTM E 903; E 1980; C 297; C836/89 & EN 12390-8/2019)

DESCRIPTION OF THE PRODUCT :

SUMMERSHIELD COOL 666 - Contains Nano UV Protection, micro fibre reinforced and Insulation with IR reflective pigments, 100% Pure Acrylic Polyurethane Blended Abrasion resistant Solar reflective, 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 even in dusty environment with excellent long lasting tough waterproofing. It reflects 90% of solar infrared rays and 85% of Ultra Violet rays, reduces heat on the roof surface being it reinforced with special glass micro fibres, and ceramic powders, even in peak summer. SUMMERSHIELD COOL 666 keeps the surface of your roof cooler inside your rooms / home. Provides aesthetic appeal and protection against water and carbon dioxide penetration. Basically it is in white. Multi layer system of solar reflective / waterproof coating recommended for various types of roof surfaces, metal roofs, concrete / asbestos / metal / wood etc. both new and existing surfaces, and also as a paintable coating on exterior walls 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. The Micro structure of the coating can be observed by Scanning with electron microscope.



RECOMMENDED FOR :

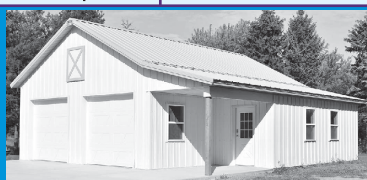
Terrace / Madras Terrace / Roofs / Sloped roofs, External Walls, ACC / Iron / GI Sheets, etc. as an external solar reflective and heat resistant waterproof coating. Suitable as a heat reflective coating on bituminous membrane / coatings.

ADVANTAGES :

- Green Products
- Specially designed with insulated fillers, high performance acrylic & Polyurethane coatings, it provides excellent Solar Reflective, Heat Resistant & long lasting tough Waterproofing.
- Excellent Bonding with cementitious, polymer, PU, Painted coatings
- Highly Flexible, abrasion resistant.
- UV Resistant, an energy saver upto 30% less energy consumption in air conditioned premises.
- Highest SRI value, ECO friendly, easy application, Premium export quality cool paint.
- These polymers that expand and contract with the substrate and prevent develop of hairline cracks.

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	3 to 4 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	1.20 gm. / cc (+/- 0.05)	ASTM-D-1455-16
8.	Tensile strength	3.0 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	113	ASTM-E-1980-11 & EN 673 & 410
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 3 mm width	ASTM-C-836 : 1995
18.	Water Permeability	No leak @ 7 bar	ASTM - C - 297
19.	Dry Film thickness at 1 Kg./m ²	750 microns	
20.	Hardness Shore A	80 - 85	ASTM D2240-2022
21.	Dry peel adhesion, lbs /sq. inc.	65	ASTM-C-297



DIRECTIONS :

Clean the surface from dirt, dust and other contaminations and wash the surface ★ Apply two to three coats of SUMMERSHIELD COOL 666 diluting with 10% water by brush / sprayer. To meet the standards of SRI, three coats are enough. Consumption of chemicals upto 1.6 liters / 3 Coats / M² recommended if site requires.

To Increase the Mechanical Properties and High Durability on the terrace/roof : ● Provide a Primer coat diluting with 20% of water. After drying of the Primer coat as per the site conditions, recommended to provide Fibre Mesh / Geo Fabric cloth. ● Later first coat has to be applied mixing with 10% of water on the above provided Fibre Mesh / Geo Fabric cloth. ● After drying of the first coat another two coats has to be applied diluting with 10% of water.

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

PRECAUTIONS & LIMITATIONS :

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

To achieve the full heat resistance apply on all parapet walls should be covered with SUMMERSHIELD COOL 666 along with the terrace / roofs.

COVERAGE :

1 Ltr. / 50 sft. / 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 :

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Authorised Distributor / Stockist

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MULTIPLE ACTION PERFORMANCE

