



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

**RAINCARE® ENP
669**

High Performance, Efflorescence Negative Pressure Heat resistant PU-Acrylic Hybrid Polymer
Blended cellulose (Nano) Fiber reinforced Elastomeric Liquid Applied Waterproofing Membrane

Complies with ASTM D 6083 Standard Specification for Roofing &
ASTM E 1980 for Solar Reflectance

DESCRIPTION : RAINCARE HPF 669 is single component impregnated with Nano / Cellulose Fibers and it's specially formulated with Polyurethane - Acrylic Hybrid Polymer and it is a multiple - action waterproofing and Heat reflective, efflorescence resistance & to control the dampness marks due to the negative pressure.

It is a elastomeric abrasion resistant solar reflective heat reducing waterproof exterior coating for Terrace & Walls 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.

Provides tough, durable flexible membrane with high levels of resistance to UV rays sunlight, frost, rainfall etc.

RECOMMENDED FOR :

Terrace, Exterior and Interior walls.

ADVANTAGES :

- ❖ Easy application with roller or brush
- ❖ Can be applied as a primer with dilution of 50% water.
- ❖ Excellent alkalic efflorescence resistance coating
- ❖ Protects Corrosion against Salt weather / pollution.
- ❖ Highly resistance to the water.
- ❖ Elongates with substrates to prevent cracking up to 2-3 mm
- ❖ Excellent UV resistance and all weather proof.
- ❖ Abrasion Resistant and suitable for foot traffic
- ❖ Strong adhesion to masonry surfaces, breathable coating.
- ❖ Its control the Dampness marks due to the negative pressure.
- ❖ Non-toxic with Low VOC

TECHNICAL INFORMATION :

S.No.	Property	Typical Value	STANDARDS
1.	Solid Content (W/S%)	65 ± 2.0	ASTM D 1644
2.	Elongation	500%	ASTM D2370
3.	Density (gm/cc)	1.35 ± 0.05	ASTM D 1475
4.	Crack Bridging at Low Temperature (5°C)	2.5 mm	ASTM C 1305
5.	Accelerated Weathering 1000 h	No cracking or blistering	ASTM D 4798
6.	Solar Reflectance Index	108	ASTM E 1980
7.	Permeance	Passes	ASTM D 1653
8.	Water Swelling	Passes	ASTM D471
9.	Tear Strength KN/m	28	ASTM D624
10.	Pull off adhesion N/mm ²	3.0	ASTM D 4541
11.	Tensile Strength N/mm ²	3.0	ASTM D 2370
12.	Fungi Resistance	<10 cfu/g	ASTM G21



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 - ROOFEXSEAL PU / Wonderseal XL / Conproof Crack Powder, as per the site requirement.

APPLICATION : **Terrace/ Slopped Roofs / AC Sheets etc.**

Primer Coat : As a primer coat mix with 50% of water and apply with Brush / Roller.

First Coat : After drying the primer coat 3 to 4 Hrs. has to be applied without dilution of water, with brush or roller.

Second Coat : After drying the First coat (4-5 Hrs.). Second coating has to be applied without any dilution of water, with brush or roller. Dry it for 4-6 Hrs.

Dry film thickness will be around 450 to 500 Microns.

COVERAGE : 1 to 1.1 Sq. mts. / Ltr for Primer + 2 coats application

Exterior Walls :

As a primer coat mix with 50% of water and apply with Brush / Roller.

After drying the primer coat 3 to 4 Hrs. First Coat has to be applied without dilution of water, with brush or roller. Dry it for 4-5 Hrs.

COVERAGE : 1.65 to 1.90 Sq. mts. / Ltr for 2 coats application (Coverage may vary depends upon the surface condition.)

NOTE : For external walls, If Second Coat required, can applied depending upon the surface condition.

PACKING : 1, 5, 20 & 210 Ltrs

SHELF LIFE : 12 Months 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.

Authorised Distributor / Stockist

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TRUSTED AND ACCLAIMED FOR ITS
MULTIPLE ACTION PERFORMANCE



Manufacturers :

ARMSTRONG CHEMICALS PVT. LTD.

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