



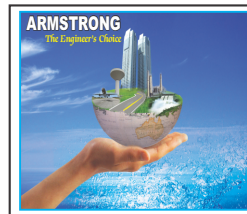
ARMSTRONG CHEMICALS PVT. LTD., Bengaluru
An ISO 9001 Certified Company



High Abrasion, Heat Resistant Fibre reinforced Polyurethane
Advanced Technology 3rd Generation
Elastomeric liquid waterproof Membrane Coating System
(Confirming to ASTM G-154-2000, C-836/89 A & C-297)

DESCRIPTION OF THE PRODUCT :

RAINPROOF PUF 5 LAYER SYSTEM : High abrasion, Heat resistant Fibre reinforced Polyurethane Elastomeric liquid waterproof membrane Coating System. It is highly durable, flexible and has a high level of waterproofing, crack resistant and heat resistant liquid membrane coating. Excellent resistance to U.V. Rays, frost etc., The most advanced technique of fiber reinforcement provides higher tensile strength and crack resistance which suits to the Indian weather conditions.



ADVANTAGES PROVIDE BY THE SYSTEM :

1st Layer : High bonding, Highly durable polyurethane penetrative bituminous blended **Black** coloured waterproof primer coat, stabilizes the flooring surface condition by providing durable bonding strength. Complies with ASTM G154-2000. **2nd Layer** : As recommended Polyester Fibre Mesh / Geo Fabric provides excellent Crack Resistance, Bonding strength and Mechanical Properties of coating. **3rd Layer** : Polyurethane blended rubberized **Grey** Coloured membrane coating provides High bonding, Highly Flexible Performance, Complies with ASTM-C 836. **4th Layer** : Polyurethane Fibre reinforced elastomeric **White** coloured membrane coating provides High performance, Crack resistance, Complies with ASTM G154-2000. **5th Layer** : Polyurethane **Super White** coloured Advanced technology Insulator membrane coating provides High performance elastomeric Heat resistant and waterproofing. It reduces the temperature upto 6-8°C. The system it provides outstanding durability, aesthetic appearance, High UV resistance and protection against water, excellent barrier against carbon dioxide, sulphate and chloride ions and also highly breathable film formation. Complies with ASTM-C-.297.

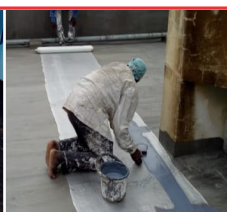
RAINPROOF PUF 5 LAYER SYSTEM is an easy to apply Non-toxic & Anti fungal. Recommended for even Pedestrian traffic floor areas also.

TECHNICAL PROPERTIES :

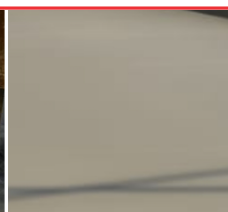
Colour	1st Layer-Black, 3rd Layer-Grey, 4th Layer-White & 5th Layer-Super White
Density	1.35 Gm /cc
Solid Content	68% $\pm$ 2% by weight
Elongation at break ASTM D 638	+ 200%
Touch Dry	1½ Hr. - 2 Hrs. @ 25°C
Re-coatable	2 to 4 Hrs @ 25°C
Full Cure	5 days
Water Penetration DIN 1048	No leak at 7 bars
Tear Resistance ASTMD 1004-76	>17 N/mm ²



1st Layer BLACK



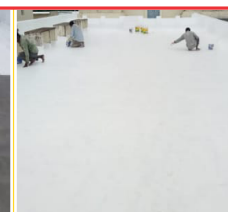
2nd Layer MESH



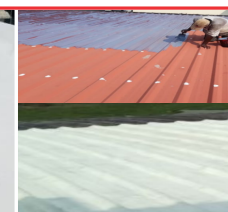
3rd Layer GRAY



4th Layer WHITE



5th Layer SUPER WHITE



Recommended on
MS / AC Sheets also

Tensile strength ASTM D 412-87	6.0 N/mm ²
Application Temperature	upto 50°C
Dry Film Thickness	1550 to 1750 microns
Adhesion to substrate ASTM D 4541	>1.5 N/mm ²

RECOMMENDED FOR : ★ Pre-cast slab roofs like Power houses, Industrial / Buildings terrace etc.
★ Metal / Asbestos, Sloped Roofs ★ Concrete / lime mortar / masonry Floorings

APPLICATION GUIDELINES :

Surface Preparation : Remove all the loose particles and re-plaster the same with proper bonding agents like Roofbond SBR / Roofbond PB. If cracks found just widen the cracks around 2 to 4mm width and depth with cutting machine, Clean the dust and wash the surface with water and seal the crack with required sealants like Roofseal PU- Polyurethane sealants / Roofseal PS - Polysulphide sealant.

★ **PUF 1st Layer** - Providing and application of Black coloured high bonding, highly durable polyurethane blended bituminous waterproof primer coating - RAINPROOF PUF 5 LAYER SYSTEM as a first coat application, recommended to mix with 50% of water and at a coverage of 5 Sqm. / Ltr. per coat.

★ **PUF 2nd Layer** - Providing and laying of polyester Fibre mesh 40 GSM with 50mm over lap.

★ **PUF 3rd Layer** - Providing and application of one coat of high performance Grey coloured elastomeric fibre reinforced Polyurethane blended rubberized membrane coating - RAINPROOF PUF 5 LAYER SYSTEM, Mixing with 20% of water at a coverage of 3 Sqm./Ltr. per Coat.

★ **PUF 4th Layer** - Providing and application of one coat of high performance White coloured elastomeric fibre reinforced polyurethane membrane coating - RAINPROOF PUF 5 LAYER SYSTEM, mixing with 20% of water, at a coverage of 4 Sqm./Ltr./Coat.

★ **PUF 5th Layer** - Providing and application of one coat of highly durable Super White Coloured elastomeric heat resistant insulator cum waterproof polyurethane coating - RAINPROOF PUF 5 LAYER SYSTEM, Mixing with 20% of water, at a coverage of 4 Sqm./Ltr./coat.

PACKING : 5, 10 & 20 Ltrs.

SHELF LIFE : 2 Years from the date of Mfg.

STORAGE : Store in dry conditions in the original containers.

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.



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