



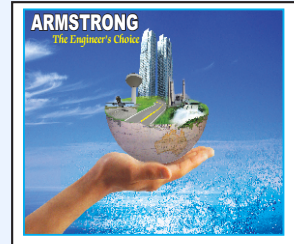
ARMSTRONG CHEMICALS PVT. LTD., Bengaluru
An ISO 9001 Certified Company

RAINPROOF[®] PHC 5 LAYER SYSTEM

Two Component High Performance Polyurethane based Elastomeric Rubberized Fibre Reinforced Waterproof Coating
(Confirming to ASTM G-154-2000, C-836/89 A & C-297)

DESCRIPTION OF THE PRODUCT :

RAINPROOF PHC-5 LAYER SYSTEM Two Component High Performance Polyurethane based Elastomeric Rubberized Fibre Reinforced Waterproof Coating. It is highly durable, flexible and has a high level of waterproofing, crack resistant and heat resistant liquid membrane coating. Excellent resistant to U.V. Rays, frost etc., The most advanced technic of fiber reinforcement provides higher tensile strength, crack & abrasion resistance.



ADVANTAGES PROVIDE BY THE SYSTEM :

In the System **RAINPROOF PHC 1st layer** High strength PU Based acrylic blended Penetrative flexible waterproof coating, Complies with ASTM G154-2000, Penetrate and stabilize the substrate of the disturbed flooring and **RAINPROOF PHC 2nd layer** Armstrong AFM 40/50 GSM mesh / Geo Fabric Cloth as Fibre reinforcement, suitable to the Site condition, provides excellent crack resistant and abrasion resistant to the roofs. **RAINPROOF PHC 3rd layer** a High power, High bond polyurethane based rubberized coating with UV resistant Complies with ASTM-C 836, provides the best possible strength, and avoids the formation of cracks with support of AFM 40/50 GSM mesh / Geo Fabric cloth. Application of **RAINPROOF PHC 4th layer** is a fibre reinforced polyurethane based elastomeric, flexible, waterproof membrane coating Complies with ASTM G154-2000, provides UV, Crack resistance and water resistance and also heat resistance. Later as a top **5th layer RAINPROOF PHC 5th layer** reduces the temperature upto 6-8°C, being its a insulated advanced technology abrasion resistance, high range polyurethane Complies with ASTM-C-297. **Rainproof PHC 5 Layer System** provides outstanding durability, aesthetic appearance, highly UV resistant and protection against water and excellent barrier against carbon dioxide, sulphate and chloride ions and also highly breathable film formation. It is an easy to apply system and non-toxic, Anti fungal. Recommended for even walkable floor roofs. Provides excellent bonding to the earlier bituminous treatments.

TECHNICAL PROPERTIES :

Final Coat	White
Density	1.35 Gm /cc
Solid Content	68% ± 2% by weight
Elongation at break ASTMD 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 Half White

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 :

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

APPLICATION GUIDELINES :

Surface Preparation : Remove all the loose particles and re-plaster the same. 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 Roofexseal PU-Polyurethane sealants / Roofexseal PS - Polysulphide sealant.

- ★ Take RAINPROOF PHC 1st layer - half white coloured a High Power, High Bonding Flexible Polyurethane based waterproof coating dilute with water @ 2:1 ratio and apply as a primer coat with brush / sprayer. Allow the treatment to dry for 2 hours. Consumption of the RAINPROOF PHC 1st layer @ 200ml per Sq.mt.
- ★ On wet condition of the applied primer coat, AFM 40/50 GSM mesh / Geo fabric has to be properly laid with overlapping of the mat 50 mm., as a 2nd Layer
- ★ Apply RAINPROOF PHC 3rd layer - a Grey coloured Polyurethane based Rubberised waterproof coating over the AFM mesh by mixing with 20% of water, and over Geo fabric 50% of water, allow the treatment to dry for 2 Hrs. Consumption of RAINPROOF PHC 3rd layer @ 400ml per Sq.mt.
- ★ Over that a coat of RAINPROOF PHC 4th layer - White coloured High solid Cold applied polyurethane fiber reinforced elastomeric acrylic waterproof coatings has to be applied by mixing with 200ml water per one Ltr. apply with brush / sprayer, and allow the treatment to dry for 2 Hrs. Consumption of RAINPROOF PHC 4th layer @ 350ml. per Sq.mtr.
- ★ As a top Final Coat RAINPROOF PHC 5th layer - Super White coloured Solar reflective, insulated polyurethane based acrylic blended abrasion and heat resistance waterproof coating has to be applied by mixing with 200ml. water per one litre with brush / sprayer and allow the treatment to dry for 4 Hrs. Consumption of RAINPROOF PHC 5th layer 300ml per Sq.mtr., No curing is required. Pedestrian traffic can be allowed after 5 days.

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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Manufacturers :

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