



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



(Food Neutral Water Thinnable, Waterproof & Damp Proof Epoxy Coating)
Complies with ASTM-C-881 / Complies with standards to EN 13813

DESCRIPTION OF THE PRODUCT :

CONPROOF EP is a two component food neutral water thinnable, epoxy resin based waterproofing coating. One part is consisting of epoxy resin and the other part with curing agent. After mixing both the parts it can be thinned down with water. It possesses all the attributes of normal solvent based epoxy composition such as, excellent water and chemical resistance, adhesion, hardness and mechanical strength. One of the major advantage of CONPROOF EP epoxy is that it can be applied on damp surface also. Being free from solvent, it does not pose any health hazards or fire hazards to the applicator. CONPROOF EP is completely safe, convenient & economical to apply.

FEATURES / ADVANTAGES :

- Water dilutable.
- Reduces water permeability
- Can be applied on the damp surfaces.
- Being water based it penetrates in concrete/plaster surface, seals the porosity and network of fine cracks.
- After curing it forms hard, tough and strong film.
- Excellent resistance to + ve (hydrostatic) water pressure.
- Bonds strongly on cement concrete / mortar, plaster, asbestos sheet etc.
- Excellent resistance to water, salt water, dilute acids, alkalies, soap water and other chemicals Etc.,
- Available in white colour, can be supplied in colour shades or can be mixed with any colour pigments.
- Can be overcoated by solvent based and water based paints.
- Performs well in a temperature ranging -20°C to +80°C.
- Non toxic
- Non hazardous, non flammable.
- Resistant to the growth of fungus & micro-organisms.
- Excellent washability of cured film. Stains can be easily removed with a soap solution.

TYPICAL APPLICATIONS :

- Concrete / Masonry Storage or Drinking water tanks.
- Damp walls (Interior/Exterior)
- As an undercoat before applying any chemical coatings like ROOFCOAT PU 400, FLEXICOAT, BMW 250, CONPROOF PU, FLEXICOAT RWC 902 to strengthen the concrete floorings and screed or mortar on roof terrace and External Walls.
- Toilet and kitchen walls.
- Coating on walls of Breweries & Food processing industries.
- As a primer before application of any coating in Food & drug industries.
- As a putty with OPC- white cement to fill the fine cracks of External Walls.
- Hatcheries & Aquafarms.

TECHNICAL PARAMETERS

Sl.No.	PROPERTIES	TYPICAL VALUES
1.	System	Two component epoxy resin & hardner
2.	Color	Light White
3.	Adhesion	> 3N/mm ² (breaking point of concrete)
4.	Viscosity Resin	900 mPa.s
5.	Viscosity Hardener	4400 mPa.s
6.	Viscosity Resin and Hardener	8000 mPa.s
7.	Density	1.0 Kg/l
8.	Density (Resin and Hardener)	1.02 Kg/l
9.	Minimum hardening temperature	+8°C
10.	Walkability	after 16 Hr. at 20°C
11.	Successive layer	after 24 Hr. at 20°C
12.	Final strength	after 7 days at + 20°C
14.	Pot Life	Approx. 60 min. at + 20°C

SURFACE PREPARATIONS :

Surface preparation is the most important step before application to get the best results and to avoid failure. The substrate must be clean and free of dirt, paint, oil, grease, sludge, blistered & loose plastered fungus & mass etc., Thorough wire brushing followed by sanding with emery paper is recommended. Remove the dust by compressed air or paint brush or wiping with water soaked cloth.

AS A PRIMER COAT :

Take 1:1 **Part-1, RESIN 1 Kg & Part-2 HARDNER 1 Kg.** Pour both the Two parts in a suitably larger container and mix them thoroughly together to a homogenous smooth paste. Dilute the mixed 2 Kgs compound with proportionate quantity of 1 Ltr. / 1 Kg. of water, by slow addition.

APPLICATION : Method of application by brush

1) WATERPROOFING OF CEMENT CONCRETE / WATER STORAGE TANKS FROM INSIDE :

- Prepare groove / joint in the cracks wider than 2mm. Clean the dust by washing it with water and allow the groove / joint to dry. After seal the groove with CONPROOF EP Mix 1:1 **Part 1 - 1 Kg. & Part 2 - 1 Kg.** and after mixing thoroughly adding water 1 Ltr. / 1 Kg. and later to be added slowly silica powder and cement to prepare it as a Putty and seal the cracks to dry it properly.
- In case of severe leakage problem due to more cracks on the walls surface CONPROOF EP Mix 1:1 **Part 1 - 1 Kg. & Part 2 - 1 Kg.** and water 1 Ltr. / 1 Kg. as above mentioned by adding Cement and prepare it as a Putty and apply.
- Apply one coat of mixed CONPROOF EP mixing with 1:1 **Part 1 - 1 Kg. & Part 2 - 1 Kg.** and thoroughly mix the same, add water 1 Ltr. / 1 Kg. mix thoroughly to apply by brush. Allow it to cure for 6-8 hours, after drying the First Coat, Second / FINAL coat has to be applied.

All the coating to cure for min. 24 Hours before filling water. Before filling drinking water wash the tank surface with plenty of water.

2) DAMP PROOFING OF VERTICAL WALLS FROM INTERIOR : Apply two brush coats of mixed CONPROOF EP at an interval of 6 Hours. Allow it to dry for min. 24 Hours before painting.

3) WATERPROOFING OF ROOF TERRACE & EXTERIOR WALLS :

Apply CONPROOF EP as a primer coat before application of any chemical treatments on roof terrace and external walls as per manufacturers instructions.

COVERAGE : 1. CONPROOF EP - 60Sft. Per Kg /Coat.

Exact Coverage : Figures may vary depending upon porosity and roughness of the surface.

CLEANING OF TOOLS & EQUIPMENTS :

Tools and equipment can be cleaned with water within 1 hour after the use

STORAGE & SHELF LIFE :

Store the materials at cool and dry place (25°C Temperature)
Shelf life is one year when material is stored in unopened container.

PACKING : 2, 10 & 20 Kgs.

PRECAUTIONS :

- All previous coatings to be completely removed before application of CONPROOF EP.
- CONPROOF EP when used on exterior surfaces must be over coated by weather durable coatings.
- Avoid application before 8°C surface temperature.
- At low temperature, drying and curing periods will be prolonged.
- Before mixing both the parts mix them in individual 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.

Authorized Distributor / Stockist

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MULTIPLE ACTION PERFORMANCE



Manufacturers :

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