

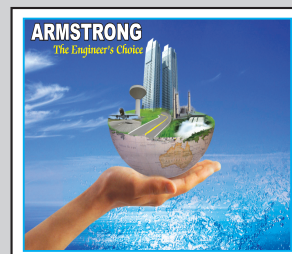
ARMSTRONG CHEMICALS PVT. LTD., Bengaluru  
An ISO 9001 : 2008 Certified Company



(Single Component Liquid Crystalline Waterproofing system for the pores and capillary tracks of concrete)

## DESCRIPTION OF PRODUCT

ROOFEX XL - Liquid crystalline waterproofing system for the pores and capillary tracks of concrete is a unique chemical treatment for waterproofing and protection of concrete. When applied as coating, the active chemicals in ROOFEX XL cause a catalytic reaction which generates a non-soluble crystalline formation of dendritic fibres within the pores and capillary tracts of concrete. This crystalline growth reduces porosity by blocking capillaries and filling hairline non structural cracks upto 1/64<sup>th</sup> inch (upto 0.4mm) caused by shrinkage or expansion. It can be applied as a primer coat and can be carried out on this screeding, and other required treatments. Other membrane type of waterproofing will only form a surface barrier but ROOFEX XL continuously producing crystals and lasting impervious to water.

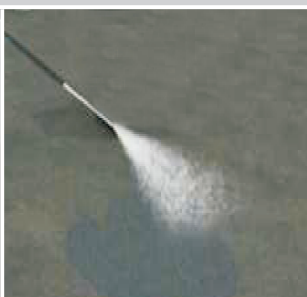


## ADVANTAGES

- Excellent waterproofing treatment for the positive and negative pressure of leakage.
- Ideal to use for waterproofing of underground structures from the inside against hydrostatic pressure.
- Highly resistant to most aggressive substances, by preventing the intrusion of chemicals, salt water, sewage and other harmful materials, it protects concrete and its steel from deterioration and oxidation.
- It is not just a coating, because the crystalline formation becomes an integral part of the concrete, it does not rely on its surface coating and it cannot puncture, tear or come apart at the seams.
- It will effectively and permanently seal hairline cracks up to 1/64 inch (0.4mm) in the pores of treated concrete.
- ROOFEX XL does not require costly surface priming or levelling prior to application, easy to apply material with Zero chlorides and Non-toxic.

## TYPICAL APPLICATION

- ROOFEX XL –Application as chemical coat on concrete surfaces for waterproofing against the positive or negative sides of hydrostatic heads of water.
- ROOFEX XL- requires the moisture to produce the crystalline formation, the green or moist concrete is ideal for this treatment. If the concrete is dry, it must be pre dampened prior to application of ROOFEX XL
- Non-toxic material, ideal to apply in water tanks, foundations, tunnels, sewage & water treatment plants etc.,
- Ideal to apply for waterproofing of Roof, Terrace gardens, Balconies, Sunshades, Sloped roofs, Sunken slabs etc.,



## APPLICATION INSTRUCTION

**Surface Preparation :** Concrete surfaces to be treated with ROOFEX XL must be clean and free of laitance, dirt, earlier coatings, paints or other foreign matter. All the surfaces must also have an open capillary system so as to provide 'tooth and suction' for ROOFEX XL treatment. If surfaces are too smooth, the concrete should be acid etched or lightly sandblasted or water blasted.

Structural defects such as cracks, faulty construction joints and honeycombing should be routed out to sound concrete and repaired in accordance with the specifications. Horizontal surfaces should preferably have a rough wood float or broom finish. All concrete laitance must be removed either by etching with muriatic acid or by light water blasting or sand blasting.

Prior to the application of ROOFEX XL concrete surfaces must be thoroughly wetted with clean water to control surface suction, aid the proper curing of the treatment and ensure the growth of the crystalline formation deep within the pores of the concrete.

**MIXING :** Direct Application with Brush / Sprayer.

**APPLICATION :** To achieve best results of ROOFEX XL can be applied on neatly cleaned surfaces of concrete with a semi stiff bristle brush or specialized spray equipment.

**CURING :** The applied crystalline waterproofing treatment must be kept in moist condition for a period of 24 hours. A misty fog spray of water must be used for curing the treatment, under normal conditions.

**CLEANING :** All the tools and other equipments will required to be cleaned with water prior to the application and after the completion of application.

**COVERAGE :** 50 SFT / Ltr / Coat

**PACKING :** 5, 10, 20, 30 & 210 Ltrs Packs

**STORAGE :** crystalline waterproofing should be stored in protected, dry areas

**SHELF LIFE :** One year from manufacturing date

**ARMSTRONG** products are tested, approved and extensively used in the works of CPWD., State PWDs', Irrigation, Housing Boards, Thermal / Hydel Power Projects, Steel Projects, Road Projects, Water works Projects, MES, Railways & Scores of important projects Internationally.

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 :**

**ARMSTRONG CHEMICALS PVT. LTD.**

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**TRUSTED AND ACCLAIMED FOR  
ITS EXCELLENT DEPENDABLE  
MULTIPLE ACTION PERFORMANCE  
OF WATERPROOFING**

