



ADHERE CRYST

Crystalline Capillary Waterproofing System

ADHERE CRYST - Crystalline Waterproofing system having proprietary blend of portland cement, aggregates, quartz and special chemicals. ADHERE CRYST penetrates concrete and reacts chemically with free lime to produce insoluble crystals in the presence of moisture.

ADVANTAGES:

Having high penetration in concrete and it seals capillary tracts.
Much compatible with the potable water.
Suitable for external and internal applications.
No chloride content.
Highly resistive to chemical attack of sewage and industrial wastes.

FUNCTION:

ADHERE CRYST blocks capillaries and fill hairline. No structural cracks (up to 0.25mm wide) caused by shrinkage or expansion by reducing porosity. Unlike metallic and membrane types of waterproofing which only form a surface barrier, ADHERE CRYST in the presence of water, continues producing crystals and lasting imperviousness to water.

USES:

For waterproofing against the positive or negative sides of hydrostatic heads of water, for damp proofing, repairing cracks, plugging holes, sealing wall - floor joints, stopping active leaks, terrace garden, balconies, sunshades, roofs, sunken slabs, industrial and office buildings, reservoirs, water holding structures etc.

SURFACE PREPARATION:

OLD CONCRETE

Remove all oil, dirt, laitance and other contaminants by water blasting. Water blasting is preferred because it mechanically cleans and roughens the surface, environmentally safer and leaves and surface saturated with water. Surface must be damp for application of ADHERE CRYST.

NEW CONCRETE

Do water blasting as above to remove oils and laitance. Surface must be left damp for application of

ADHERE CRYST. Construction joints, cold joints and non-leaking joints greater than 0.25mm wide must be cut in V-groove shape and filled with ADHERE CRYST in mortar consistency.

MIXING:

3 parts of powder shall be added to 1 part of clean potable water and mixed thoroughly with a slow speed drill equipped with a paddle. For larger batches, mixing shall be done with a mortar mixer. Do not mix more material that can be used in 20 mins. If mixture thickens, it shall be re-stirred to reduce consistency. Extra water should not be added. Full activation and effectiveness of ADHERE CRYST may require 2-3 weeks following application.

CURING AND PROTECTING:

ADHERE CRYST application must be kept moist for a minimum of 48 hours. After initial set, moist curing, using continuous water spray is recommended. Treated surfaces shall be fog sprayed 3 to 4 times daily for 48 hours period. For warmer climates, more frequent spraying may be required. It is important to keep the ADHERE CRYST moist to allow the crystal formation to occur.

COVERAGE:

1 to 1.5 Kg/m² per application (brush). Actual coverage rates will depend upon the profile and porosity of the substrate.

SAFETY MEASURES:

ADHERE CRYST contains chemicals that may cause irritation to the eyes and skin. Goggles, rubber gloves and long sleeves should be worn when working with these produces.

SHELF LIFE:

12 months from the date of manufacturing in ideal storage conditions.

PACKING: 25 kg bags.

Note:

Whilst any information and / or specification contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendation or suggestions made by us, our representatives, agents or distributors as the conditions of use of any labour involved are beyond our control.

