



**NEW HI-TECH CHEMICAL BASED CRYSTALLINE WATERPROOFING
TREATMENT.**

DESCRIPTION

ROKSO CRYSTOSHIELD is an unique surface applied waterproofing compound which withstands the most severe leakage situations, when mixed with water and applied on leaky concrete surfaces. Chemicals in **ROKSO CRYSTOSHIELD** penetrate deep into water bearing capillaries, react with cement particles and form insoluble crystals which totally and permanently block the passage of water.

Further, it remains in the body of the concrete as a catalyst to reactivate the crystallisation process whenever water enters the structure through newly formed capillaries.

TYPICAL APPLICATION

Concrete water tanks	Lift wells and inspection pits
Sunken slabs of bath rooms & toilet	Underground structures.
Basements.	Swimming pools

SURFACE PREPARATION

Clear away and accumulated water, inspect the structure closely to determine that existing walls and floors are sound. Any cracks must be static (otherwise special watertight movement joints will have to be formed). Rectify all defects prior to commencing water proofing and ensure the substrate is sound.

Surface to be treated must be free from dust, oil and grease.

Remove film of any curing compound, mould release agent, oil or any other surface treatment.

Brush down and clean all the surface leaving a sound substrate which provides adequate bonding.

Static cracks greater than 1 mm in width must be chased out to "V" shaped groove and filled with **CRYSTOSHIELD** Modified Mortar and cured.

ROKSO CRYSTOSHIELD MODIFIED MORTAR

All surfaces which are not damp must be prewetted more than once to saturate the substrate.

ROKSO CRYSTOSHIELD Modified Mortar is made by mixing **CRYSTOSHIELD**, Cement and Sand in the proportion of **1 : 1 : 4** first dry mixed and then water added to it to get a normal consistency mortar. **ROKSO CRYSTOSHIELD** modified mortar should be used within 20 minutes of mixing.

APPLICATION

Mix **ROKSO CRYSTOSHIELD** with water in the proportion of 2.5 volumes of **ROKSO CRYSTOSHIELD** to one volume of water to get a creamy slurry and brush apply on the water saturated, wet concrete surface in two coats. Second coat of **ROKSO CRYSTOSHIELD** is applied when the first coat is still green and tacky. **ROKSO CRYSTOSHIELD** slurries should be applied within 20 minutes after mixing.

Apply a plaster or screed of cement sand mortar admixed with **ROKSO PLASTER MUST** over the treated surface when the second coat of **ROKSO CRYSTOSHIELD** is still green and tacky and cure the plaster normally.

COVERAGE

Depends on porosity of the surface to be treated. For two coat application an average of 8 to 10 square feet per kg. of **ROKSO CRYSTOSHIELD** is achievable.

HEALTH & SAFELIFE

Inhaling of **ROKSO CRYSTOSHIELD** should be avoided by minimising dust formation and preferably light mask should be used if excess dust is present. **ROKSO CRYSTOSHIELD** contains hygroscopic (absorbs water) chemicals which itches the skin if in contact for a long time, while applying it, gloves should be worn to avoid continuous contact with skin.

SHELF LIFE

12 months if stored in original sealed packing. Store in dry conditions away from direct sunlight.

PACKING

ROKSO CRYSTOSHIELD is supplied in 25 Kgs.



Manufactured in INDIA by ROKSO INDIA PRIVATE LIMITED

AN ISO 9001 : 2015 CERTIFIED COMPANY

**ADMN.OFFICE: 605,SAI JANAK CLASSIC,ABOVE MURLIDHAR SWEETS, NEAR FLYOVER BRIDGE, DEVIDAS LANE, BORIVALI (W) MUMBAI-92
REGD OFFICE : 202,MADHUVAN,SHRI KRISHNA COMPLEX,NR.SHRIRAM NAGAR,VIVA COLLEGE RD,VIRAR(WEST) DI :PALGHAR -401303 MS**

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