



RAZON ENGINEERING COMPANY PRIVATE LIMITED

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AN ISO 9001-2008 COMPANY RECRYSTALLIZATION 198

Increased use of Ready Mix concrete has increased overall construction speed and decreased construction costs. Due to various factors, pumped concrete develop crevices, which may either be shallow or deep, besides inherent concrete porosity are major reason for concrete deterioration

Crevices and porosity in concrete lead to two common problems:

1. Leakage or seepage
2. Irrecoverable deterioration of concrete.

Leakages; is due to the permeability of water through the concrete porosity further aggravated by crevices and cracks in concrete.

Carbonation is a more serious disease of concrete caused by the action of CO_x gasses from the environment on the exposed concrete; which destroy the structure. Carbonation has been observed to greatly decrease the durability and expected life of a concrete structure.

Both these problems are easily eliminated by Razon “ Recrystallization 198”

Recrystallization 198 works on a relatively simple technique; by impregnating the voids and cracks in the structure by a strongly adhesive material such that itself becomes the integral part of the concrete structure, eliminating the possibility of leakages by completely sealing the porosities and voids in concrete.

Method of Use:-

Clean the surface to be coated thoroughly with wire brush. Remove fungi/algae if any from the surface or cracks with wire brush scrubbing. All loose material laitance must be dusted before application. In a vessel, take 2.5 parts Recrystallization 198 and 1 parts water. Mix thoroughly until brushable consistency, uniformly cohesive mix is obtained. Apply two coats of this material over the surface. Cracks must first be filled with this material by liberal brush application, until the crack is leveled . Do not widen the cracks. Apply another coat after an interval of 8 hours. The coating becomes integral part of the concrete matrix by crystallization and prevents further leakages and carbonation.

Applications:

Recrystallization 198 is commonly used for waterproofing of: Sunk slabs, Water Tanks, Terraces, Swimming Pools, Basements, Aqueducts, or any other application where concrete seepage is due to its permeability.

Water proofing treatment by RerySTALLIZATION 198 may be effectively done from positive or negative side to stop leakages. Besides Recrystallization 198 may be used to cover up cold joints or lift-joints in basements, water tanks, terrace slab joints , treat cracks in external plasters; wallbeam cracks to stop wall seepages.

Recrystallization 198 finds innumerable applications for waterproofing and repair works.

Recrystallization -198 works by dissolving in presence of moisture, penetrating concrete pores by capillary and osmotic pressures and recrystallizing, thus blocking pores, which increase concrete impermeability. By similar subsequent process it penetrated deeper into the concrete pores, further enhancing concrete impermeability.

Recrystallization 198 is available in convenient to use 1kg, 5kg and 20 kg packs.

PRODUCT DATA		
No	Property	Attributes
1	Colour	Metallic grayish
2	Consistency	Fine, easy flowing, powder
3	Sp.Gravity	2.2
4	Pot Life	30-40 minutes
5	Shelf Life	1 year if stored in tightly sealed containers in cool dry place, away from moisture.
6	Coverage	For 2.5:1 R-198 to water mix, approx. 35-40 sq. ft. per coat on smooth surface
7	Packing	1kg, 5kg, 20 kg convenient to handle packs

OTHER RECOMMENDED PRODUCTS:

Integral Water Proofer
Master Plaster CS 101 (for
Crushed sand)
Master Plaster (for River Sand)
Tile joint Sealer
IWSP
Anchorex 428 (Binding aid)
CCC 102 (curing compound)

Tile Fix # 1
R. Instant Water proofer
SC-9000 (Water Dilute-able
Shuttering oil)
P.A.Mortar TH-4 (Bar grouting)
Clear & White Water Proof
coatings



Note : - The above literature has been published to assist the use of our products without any Guarantee, Users are advised to test the product by their own methods to access the application of product.