

DONCRETE – CM

CRYSTALLINE WATERPROOFING MORTAR

PRODUCT DETAILS

DIN-1048

CRYSTALLINE BASED MORTAR

DESCRIPTION:It is based on crystalline, graded sand and cement along with active ingredients, which when mixed with water produces a high strength waterproofing patching mortar, screed or render. Once applied the mortar has excellent resistance to wash out and cures rapidly to form dense impermeable matrix with high diffusing resistance to oxygen, acid gases and chloride. The enhanced properties ensure high adhesion, low shrinkage, excellent resistance to freeze-thaw attack and high flexural and compressive strengths.

ADVANTAGES:

- Excellent adhesion in dry, damp or permanently wet conditions to both concrete and steel.
- Higher compressive and tensile strength.
- High abrasion resistance.
- Low water permeability due to continued pozzolenic reactions.
- Enhanced resistance to freeze – thaw cycles, alkalis and dilute acids.
- Low shrinkage.

USES:it is used to make covers, fill construction joints, form tie holes, cold joints and it can also be used to repair honey combing/cracks area.

DOSAGE:(3.0-3.7) liters water to (5.0-6.0) volumes powder

MATERIAL CUNSUMPTION:

	Lb.Rn.yd.	Kg./Rn/m
Filling a 1" Deep (25mm) x 1" Wide Slot	0.60	0.90
Filling a 1.5" Deep (37mm) x 1" Wide Slot	0.85	1.40

PACK:1 kg, 5 kg and 25 kg

STORAGE LIFE:Product must be stored in a dry enclosed area off the ground at a minimum temperature of 45°F (7°C). Shelf life when stored in proper conditions in unopened, undamaged packaging is 12 months.

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TECHNICAL DATA:

	Compressive Strength ASTM C-109	Tensile Strength ASTM C-190
1 day	1600psi (11 MPa)	320 psi (2.2 MPa)
3 day	2400psi (17 MPa)	520 psi (3.6 MPa)
7 day	5800psi (40 MPa)	730 psi (5.0 MPa)
28 day	6900psi (48 MPa)	900 psi (6.2 MPa)

Permeability: As the reaction is catalytic in nature the waterproofing chemicals remain active for the life of the structure, permanently sealing it from water and waterborne chemicals penetration.

INSTRUCTION FOR USE:

Add the **DONCRETE – CWC** powder to water mix thoroughly until the mixture is completely free of lumps. Mix only as much material as can be used within 30 minutes. **DONCRETE – CWC** should be mechanically mixed with clean water to a consistency of thick oil paint. Separate containers (equal volume), should be used for measuring the powder and water. If “false setting” occurs after mixing, do not add water; raster to restore workability.

HANDLING PRECAUTION: This product contains Crystalline based and is highly alkaline. The use of rubber gloves, goggles and other appropriate protective gear during mixing and application is recommended.

TECHNICAL COLLABORATION WITH



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