



Mega Sealers
Waterproofing Solutions

MEGA WATER LOCK

SURFACE APPLIED INTEGRAL CRYSTALLINE WATERPROOFING COATING

PRODUCT DESCRIPTION

MEGA WATER LOCK is a Surface applied integral crystalline waterproofing coating used to create permanently waterproof concrete, which provides a permanent solution to water leakage, ingress or seepage in concrete structures or any cementitious substrates. The crystal formation follows the water back as far as it is present in the structure. The capillaries are permanently blocked to the passage of water however vapor may pass allowing the structure to breathe. Rate and penetration of crystal formation depends on the presence of free lime and the density of the concrete.



ADVANTAGES

- Whenever any form of water enters the concrete, be it from new cracks or pores, the crystalline technology triggers new crystals to grow and seal the pores in the concrete.
- Durable lasts as long as the life of the structure.
- Increases the workability of the mix.
- Very fast setting cement system with crystalline action.
- Does not affect normal cement properties.
- They cannot be punctured or otherwise damaged like membranes or surface coatings.

METHODOLOGY

MEGA WATER LOCK should be applied to the damp, prepared substrate by brush or spray at the rate of 1.0 kg/m² per coat. Apply the slurry in two coats, the second at right angles to the first. Second coat application should be 3-4 hours after the first dependent on temperature. It is recommended that treated tanks and other water retaining structures are filled with water 24 hours after application of the second coat. Structures should remain filled for at least 7 days to facilitate crystal growth, which is accelerated by water pressure.

SURFACE PREPARATION

Mega Water Lock will only adhere to the concrete surface if it is free from any other obstructions. Use a wire brush to remove loose concrete and paint. A hammer and a cold chisel may be needed for large pieces of concrete that must be removed. If there are multiple layers of paint that cover a wide area, try power washing or sandblasting the surface.

MIXING

Mixing should be carried out using a forced action mixer such as a Cretangle or similar. Add the **MEGA WATER LOCK** to the mixer and introduce clean water at 18-20 Liter in 25kg Mega Water Lock material. Apply just enough water that the material becomes a thick paste. Do not be alarmed when the material starts to heat up. The chemical process of the water and the material creates this type of chain reaction.

APPLICATION

MEGA WATER LOCK should be applied to the surface in contact with the water wherever possible. This will result in accelerated penetration and crystal formation.

USES

Mega Water Lock is a dry powder that when mixed with water to a creamy consistency can be applied as a brush on slurry to concrete as a penetrating surface treatment.

TECHNICAL INFORMATION

Supply Form :	Powder
Color :	Gray
Bulk Density :	2.0Kg
Application Temp :	>5°C
Setting Time:	2-4 hours
Bonding Strength :	1.25 Mpa

PACKING

Mega Water Lock is packed 20 Kg Bucket.



Mega water lock

HEAD OFFICE: C1-C, 2nd Floor, Main Khayaban-e-Itehad Near KFC, Opposite Dubai Islamic Bank, DHA 7, Khi-Pak
Contact: +92 318 3880163 | +92 213 5318800

PLANT: B-653, Sector-3, Near Life Care Medical, Ahsanabad Industrial Area, Karachi-Pakistan.
www.megasealers.com | info@megasealers.com