

CrystalSkim WR

Corrosion blocking waterproofing mortar for water retaining structures

Based on crystalline activated cement and passivating extenders

Description

CrystalSkim WR is a blend of cements, pozzulanic extenders, fine sand, microcrystalline waterproofing additives, wetting aids and powder polymers.

Mixed with water to an easily trowelable consistency, **CrystalSkim WR** produces a thixotropic mortar which does not slump off vertical or overhead surfaces easily. **CrystalSkim WR** is available in a few colours.

Advantages

CrystalSkim WR wet mortar responds well for easy smoothing and thin applications. It is one component, only needs water added.

CrystalSkim WR contains polymers and therefore need not be water cured. Allow the **CrystalSkim WR** 7 days to cure before filling up pools or dams with water.

CrystalSkim WR is designed for water retaining structures, where it contains a higher level of polymer and microcrystalline than CrystalSkim. It protects and passivates corroded reinforcing bars. The elastic modulus of hardened

CrystalSkim WR is lower than that of cured concrete and therefore **CrystalSkim WR** bridges minor cracks and has no thermal expansion incompatibility with hardened concrete (Between 10 and 14⁻⁶ mm/°c).

CrystalSkim WR is watertight to liquid water.

CrystalSkim WR is ideal for the repair of concrete dams, concrete swimming pools or reservoirs. The cured product is non-toxic.

Used with **P3 Primer X** as a priming and bonding layer, **CrystalSkim WR** passivates corroded steel and provides a blocking mortar which arrests

ingress of chlorides, sulphates, and blocks carbonation at the surface.

Application

CrystalSkim WR contains 600 micron silica sand and may be trowelled on 1mm to 5 mm thick in one pass. Being pre-polymered, the material needs to harden between layers and should not be applied more than 8 to 10 mm thick without allowing oxygenation of the polymers. Scratching the surface of almost set layers promotes bond of subsequent layers.

Priming

CrystalSkim WR adheres well to surfaces that have been pre-wetted that are surface dry. For some situations priming the surface with **P3 Primer X** advances adhesion where bond reliability is paramount.

Curing

Allow **CrystalSkim WR** to cure for 7 days before filling the water retaining structure.

Packaging

Packed in 25 kg poly prop woven bags with polyethylene inner-liner.

Yield

Mixed with about 16 % water each 25 kg of **CrystalSkim WR** powder will yield about 13 litre of plastic mortar. Add 4 Litres of water per 25kg bag of CrystalSkim WR.

Shelf Life

Up to one year, stored in cool dry conditions where bag is not punctured or damaged



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Warranty

Samson warrants that its products will perform as declared in its literature and this warranty extends only to the replacement of any of its products that may be proven to be defective.

Disclaimer

Samson Technologies retains the right to change any information in our literature, at any time, without prior notification.