

CrystalSkim

Corrosion blocking waterproofing mortar

Based on crystalline activated cement and passivating extenders

Description

CrystalSkim 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** produces a thixotropic mortar which does not slump off vertical or overhead surfaces easily.

Advantages

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

CrystalSkim contains polymers and therefore need not be water cured.

CrystalSkim protects and passivates corroded reinforcing bars. The elastic modulus of hardened **CrystalSkim** is lower than that of cured concrete and therefore **CrystalSkim** bridges minor cracks and has no thermal expansion incompatibility with hardened concrete (Between 10 and 14⁻⁶ mm/°c)

CrystalSkim is breathable, allowing passage of moisture vapour, but watertight to liquid water.

CrystalSkim is ideal for the repair of areas subject to rising damp.

Used with P3 Primer, **CrystalSkim** passivates corroded steel and provides a blocking mortar which arrests ingress of chlorides, sulphates, and blocks carbonation at the surface.

Application

CrystalSkim 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 adheres well to surfaces dry, but internally saturated. For some situations priming the surface with Samson P3 Polymered Primer Powder advances adhesion where bond reliability is paramount.

Curing

Do not water cure **CrystalSkim** but protect the freshly placed patches from wind and sun

Packaging

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

Yield

Mixed with about 16 % water each 2 kg of **CrystalSkim** powder will yield about 1 litre of plastic mortar.

16% water addition by weight.

4 Litres of water / 25kg bag.

Shelf Life

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

Overcoating CrystalSkim

Samson DecorProof and DecorGuard are compatible weather resistant coatings. DecorProof is available in a decorative range of concrete colours. DecorGuard induces water repellancy ensuring stain resistance against air carried pollutants and mud-splashes.



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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.