CrystalSkim
Corrosion blocking waterproofing mortar
Based on crystalline activated cement and passivating extenders

Description
CrystalSkim is a blend of cements, pozzulanic extenders, fine sand, Xypex® crystalline 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× 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 12 % water each 2 kg of CrystalSkim powder will yield about 1 litre of plastic mortar.

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.