PatchMortar FR

General Patch Mortar, fibre reinforced, for Concrete Repair

Description
PatchMortar FR is specially formulated to produce an easily applied, smooth working mortar for patching structural and non-structural concrete.

Uses
PatchMortar FR may be used for patching break-outs, spalls, edge pitting, honey-combs and restoring corners in structural columns. **PatchMortar FR** is especially useful to pre-casters for reducing cull rates due to manufacture or handling defects.

Application
PatchMortar FR should only be applied to sound, clean and properly prepared surfaces if delamination of the hardened product is to be avoided.
Samson recommends that all wet to dry concrete bonding processes are by application of binder thickened latex or wet to dry epoxy resins. Consult Samson document "Bonding Concrete – techniques for greater success".
The substrate concrete should be wetted to the point that it will not prematurely suck the moisture from either the bonding primer or the mortar which would result in plastic crack development and a dry zone of unhydrated material which would give a weak bond.
The patch mortar should be applied wet to wet onto the latex modified bond slurry.

Where an epoxy wet to dry bonder is used the substrate should not be wetted but sufficient epoxy bonder must be applied to prevent moisture loss from the patch mortar and a good connection with the applied mortar.
PatchMortar FR may be built up in stages for thick repairs. Where **PatchMortar FR** is applied at more than 10mm thick polymer modification is not necessary unless a reduced modulus of the hardened patch is required.

Strength
Mixed at a ratio of 15% water to **PatchMortar FR** powder a trowelable mortar is obtained and this will give a water to binder ratio of 0.45 and therefore a 28 day strength of above 40MPa.

Packaging
PatchMortar FR is packaged in 25kg polylined, woven bags.

Shelf Life
The shelf life of **PatchMortar FR** is 9 months, properly stored in cool, dry conditions. If in doubt submit a sample to Samson Technologies c.c. for testing and approval before use.

PatchMortar FR is also available in a pre-polymer version only requiring the addition of water for repairs less than 5mm.

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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.