FAQs – Rapid Set® MORTAR MIX

**Question:** What is MORTAR MIX?

**Answer:** MOTAR MIX is a blend of high-performance Rapid Set Cement with washed plaster sand. It provides rapid strength gain, high durability and low shrinkage. It is used for horizontal, vertical and overhead plaster and concrete projects. Simply mix with water and it will reach structural strength in 1 hour.

**Question:** Is this a modified portland cement product?

**Answer:** No. The high-performance properties are solely due to the Rapid Set Cement in the mix.

**Question:** How soon can MORTAR MIX be painted/coated/sealed?

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**Question:** Rapid Set reduces the waiting time before coating. Under dry conditions water-based coating materials such as latex paint can be applied as soon as the product is hardened and dry which usually takes 1 – 4 hours. Solvent-based products as well as impermeable coatings such as oil based paint and epoxy can be applied in 16 hours.

Experience has shown that some coating material can be applied in much less time. The manufacturer’s recommendations for surface conditions should be observed.

**Question:** Is a bonding agent necessary?

**Answer:** Bonding agents are not required. Proper surface preparation is crucial for achieving a good bond. If bonding agents are desired, they should be used as a supplement to a proper surface preparation, not as a substitute.

**Question** Can other products be blended with MORTAR MIX?

**Answer:** Blending with other products may give unpredictable results and is not recommended. The use of Rapid Set approved additives and various colors is possible.

**Question:** How thick can the product be applied?

**Answer:** Layer thickness from 15 mm to 150 mm.
**Question:** How is the mixing done?

**Answer:** Just add water. Recommended is the use of a mechanical mixer such as a mortar mixer or a drill mounted mixer. Organize work so that all required people and equipment is in place before mixing.

**Question:** How to place and finish?

**Answer:** MORTAR MIX can be placed in traditional methods and stroke-off to the desired level. MORTAR MIX is fast and does not bleed water thus the final finish can be applied immediately after placement. To ensure effective working, organize people and qualified tools. For flat works, place the full thickness and proceed horizontally. DO NOT place in layers.

**Question:** How to cure MORTAR MIX?

**Answer:** All Rapid Set placements are cured with water. The objective of water curing is to maintain a wet surface until the product has achieved sufficient strength. Curing begins as soon as the surface has lost its moist sheen and is continued for a minimum of 1 hour.

**Question:** How can the working time be increased?

**Answer:** The working time can be increased by lowering the mixing temperature or by adding retarding additives. Temperature can be lowered by keeping the product cool and using chilled mix water. The addition of Set Control from Concrete Pharmacy increases the working time.

**Question:** Is it possible to use color?

**Answer:** Yes. The color of MORTAR MIX can be modified by using dry powder pigments designed for use in cementitious building materials.

**Question:** How to prepare the surface?

**Answer:** Roughening of the surface and removal of all damaged and contaminated concrete. The repair surface must be free from oil, paint, acids, dirt or other materials impeding a good bond. Prior to the placement, the repair surface has to be saturated with water, avoiding the formation of puddles.
**Question:** Can it be used for wet applications?

**Answer:** Yes, MORTAR MIX is produced with Rapid Set Cement which is a hydraulic cement. Hydraulic cements harden under water.

**Question:** How much is needed?

**Answer:** One bag MORTAR MIX yields in approx. 13 l ready mix. For specific details on placement, please contact the manufacturer.

**Question:** How long is the shelf-life of MORTAR MIX?

**Answer:** When stored in a dry location, in undamaged packaging, MORTAR MIX has a shelf-life of approx. 9 months.

**Question:** Does temperature affect MORTAR MIX?

**Answer:** Cold temperature will slow the setting time of MORTAR MIX, warm temperature will speed it up. Greater fluctuations in temperature will have a more pronounced affect.