



### **Starpatch Concrete Products**

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#### **Application Bulletin:**

#### **Saturated, Surface Dry Method for installing Fast Set Anchoring Grout**

When using Starpatch Concrete's Fast Set Anchoring Grout it is important to insure that the moisture level of the substrate is correct to achieve the optimum bond strength.

- An excessively dry substrate may absorb too much water from the repair material, possibly resulting in excessive shrinkage.
- Excessive moisture in the substrate may clog the pores and prevent absorption of the repair material.

#### **Saturated, Surface Dry:**

In order to achieve a proper saturated, surface dry condition it is critical to achieve a substrate that is clearly damp below the immediate surface, has no standing water and has a surface that is showing no signs of a "film" of water on the surface. Ideally the concrete will be clearly damp (typically much darker than dry concrete) but the surface will have no water present and will be showing "signs" of drying.

Most concrete surfaces can be soaked quite quickly as they are usually very absorptive to water. Typically the substrate can be made quite damp in with a solid application of water with a brush or hose. In all but the driest conditions the concrete will remain damp for quite some time. The surface needs to show "signs" of drying throughout the entire repair procedure, yet not become completely "dry" (same color as the dry concrete).

Keep in mind that temperature and humidity will influence how quickly the substrate becomes saturated and remains saturated. Extreme heat and dry conditions may require a much longer time to become properly saturated.

#### **Typical Procedure:**

Specific jobsite water availability varies however generally installers will use a hose or bucket of water with a mortar brush to dampen the repair substrate for a few minutes. They will then use the mortar brush to help remove excess water from low spots in the substrate. Once the surface shows signs of drying, but is not completely dry the grout application is ready to begin. Keep extra water and a mortar brush on hand to dampen un-repaired areas as needed if the substrate begins to dry too quickly.

#### **Alternative Methods:**

Alternately installers can use an approved bonding agent such as Starpatch Bonding 900X. Follow all application instructions on the 900X label for priming concrete substrates.

**If using a bonding agent DO NOT USE the Saturated, Surface Dry technique.**