

BONDS ON®

ONE COMPONENT, POLYMER-MODIFIED CONCRETE PATCH

WALL FIRMA, INC.

Waterproofing and Repair Products Since 1949.
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FOR VERTICAL OR HORIZONTAL APPLICATIONS

DESCRIPTION:

Bonds On is a scientifically formulated self-bonding cement mix for thin section repair and resurfacing (1/2" or less) of concrete and masonry. The "polymer" resins in Bonds On provide a high strength bond to existing concrete which is significantly stronger than with a regular cement mix.

SURFACE PREPARATION:

Area to be repaired must be structurally sound, remove all loose concrete. Clean surface thoroughly, removing all dirt, dust, and sand by flushing with water and sweeping. Remove any oil and grease spots with concrete cleaner. in accordance with manufacturer's instructions and cautions. (To determine if good bond can be obtained on area treated for oil and grease spots, first apply test patch or obtain technical advice.)

WET SURFACE THOROUGHLY WITH CLEAN WATER TO INSURE BOND AND PREVENT CRACKING. DO NOT FORM PUDDLES.

MIXING:

In a pail, pan, or mortar box. mix warm clean water with Bonds On to smooth trowel consistency, by gradually adding approximately one part water into three parts powder while stirring. Be sure all powder is thoroughly wet and blended. Allow mixture to stand ten minutes to complete chemical reaction. Add small amounts of water if mixture is too dry. Mix only amount of Bonds On that can be applied in 30 minutes.

APPLICATION:

For general repair, force the mix into all pores of old concrete by troweling with pressure. Keep trowel clean and wet for ease of application. Smooth the patch to feather-edge finish with wet trowel.

When a patch greater than 1/2" thickness is required, use a build-up method applying 1/4" - 1/2" layers and allowing one day curing between applications. For patching small holes and depressions (such as broken corner of concrete step), thicker sections of over 1/2" may be used during one application

When using build-up method or repairing old surface which has smooth texture, first brushcoat surface with "paint consistency" of mixture (obtained by adding more water to small quantity of basic mixture). This will eliminate air pockets and assure bonding to old surface. Then, apply basic mixture before brushcoat dries.

CURING:

Under normal conditions, Bonds On will set in one day for foot traffic, but allow three days curing for wheel traffic. When applying in hot, direct sunlight or when patch is more than 1/2" thick, cover or shade repaired area for 24 hours. Do not wet surface with water after completion of troweling. After 30-day curing period. apply Wall Firma's Firma Gard Concrete Sealer to protect exterior surfaces against deterioration from moisture, freeze-thaw cycle, or de-icing chemicals.

LIMITATIONS:

- Clean tools with water immediately after use.
- Do not use when temperature is below 50°F or when they are expected to be below 50°F within 24 hours of application.

COVERAGE:

One pound of Bonds On will cover approximately one square foot of surface, 1/8" thick.

TECHNICAL SUPPORT DATA:

See Technical Data Sheet.