



# CANVAS

## MICROTOPPING - TROWEL GRADE

### PRODUCT DESCRIPTION

PRODUCT DESCRIPTION: Trowelable Canvas is a pre-blended polymer modified, flexible, non-shrink cementitious microtopping used for resurfacing and rejuvenating concrete flatwork. Applications range from feathering to 1/16 inch. Trowelable Canvas is formulated to provide a very light gray or white base color that can accept integral pigments for color modification during application, or can be colored after placement with either reactive or water-based stains for desired color effects. Trowelable Canvas can be smooth troweled, broom finished, or applied by splatter gun for a knockdown finish. Trowelable Canvas contains finishing agents that help minimize efflorescence formation and cracking surface degradation.

### TYPICAL APPLICATIONS

Typical applications include interior residential floors, concrete countertops, commercial floors and entrances, and related flatwork where the natural aesthetics of concrete are desired. Trowel Canvas can even be used on vertical surfaces over prepared drywall, plaster, and wood and laminate countertops. Once sealed, Trowelable Canvas can provide a long lived, renewed surface.

### TECH SPECIFICATIONS

Specifications listed for product used at 70 degrees and no adverse conditions.

Initial set.....30 min

Final set.....5 hrs

Set times can vary based on temp, humidity and other environmental factors

Coverage per 35 lb bag.....100 sf @ 1/16, 200 at feather

Yield per 50 lb bag..... .42 cu ft

Compressive strength.....3000 psi at 24 hrs

.....7000 psi at 7 days

Flexural strength.....566 ultimate

### INSTRUCTIONS

Proper surface preparation of the concrete substrate is critical for successful application of the product. The substrate must be in a structurally sound condition, free of gaping cracks (wider than hairline), and free of oil, grease, dirt and all other surface contaminants that would interfere with adhesion of the topping. The ideal substrate to be covered should have some absorptive porosity or texture (surface profile), and should not repel water when applied. All cracks, spalls, or holes need to be patched or repaired prior to application. This type of cleaned, profiled surface can be obtained by use of pressure washing, sand blasting, or blast tracking (steel shot). JOINTS: All expansion joints within the existing concrete need to be kept open and



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**JOINTS:** Any expansion joints within the existing concrete need to be kept open and should not be covered by the microtopping. These joints can be marked during application with a trowel and are usually incorporated into the desired end pattern or texture of choice. Placement of Trowelable Canvas over expansion joints or other moving cracks and joints that are not repaired beforehand or allowed to expand can telescope or transfer through to the overlay surface causing additional cracking or possible delamination of the material. Non-moving cracks or spalls should be repaired as well. Once the topping is installed, a control joint can be reopened to allow continued movement.

**PRIMING:** Apply properly diluted TI Flexy-Bo Primer to the surface at a typical rate of 175-200 square feet per gallon a short time before application. The bonder will lighten to a barely tacky, clear consistency 10 min to 1 hr at 70°F average conditions. At this point you can begin to apply the topping. If more than 4 hours has elapsed before applying the Canvas you will have to apply another coat of primer to ensure good bond.

**MIXING:** It is recommended to have a clean 5gl or larger pail for mixing, other than the pail with the mix. Place  $\frac{3}{4}$  of the properly measured water into the mixing vessel and begin adding the Canvas to the mixing vessel while slowly mixing with a proper paddle/drill apparatus. A 35 lb bag will require between 5-6 quarts of water to achieve the proper trowelable consistency. Add additional water (up to  $\frac{1}{2}$  quart) for a more fluid consistency if a more fluid application is desired. Warmer temperatures or lower humidity levels may also require the use of the higher water level amount. Note that variations or inconsistent measuring in the amount of water added will result in differences in end color and texture. Add any selected pigments or colorants (liquid or powder) per the dosage rate specified by the color manufacturer, taking care to measure identical amounts with each batch to ensure uniformity. Using a mechanical mixer, mix material at low speed until it is fully blended and a uniform, lump free consistency is obtained..

**APPLICATION.** Best results are achieved with two thin applications, the first being a very thin skim coat used to fill small holes, prepared cracks and other imperfections while providing a very adhesive surface for the finish coat. This coat is usually applied with a steel trowel, fresno or metal squeegee, skimming the surface leaving almost no material in places. This helps level out the final surface. The finish coat can usually be applied after one hour. Apply bonder diluted 1:1 between coats. For the finish coat apply the mixed Canvas microtopping, and troweled to a smooth finish typically using a rounded corner fresno or finish trowel. Do not over trowel the material. Drying time is typically between 2 and 4 hours depending on thickness and weather conditions. Allow light foot traffic in 24 hours. Rough or blemished areas can be sanded down with a 100 grit pad the next day if desired. Once cured after 24 hours, coloration with various concrete stains such as Tru Tint acid stain, Tru Tint WB, or Tru Tint Dye can begin. If using acid stains it is recommended to mist the surface immediately prior to adding acid stains to avoid the chance of spray lines.

**SEALING:** Trowel Canvas is very durable but is not complete until properly sealed. Sealing with a quality protective coating compound such as urethane, polyaspartic or suitable epoxy will ensure long life to both topping and colors. Surface should be inspected over time for worn sealer and resealed as needed following proper guidelines with the sealer that was used

**WARNINGS:** Contains cement and silica, avoid inhalation of dust. Wear gloves, safety goggles, and OSHA approved dust respirator during mixing and placement. Refer to product SDS (Material Safety Data Sheet) for additional safety information. Do not take internally. Avoid prolonged contact with skin. **FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN**

**LIMITED WARRANTY:** This product is warranted to be of merchantable quality when used according to the Instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all risk and liability resulting from the use of this product. Revised – 08-18

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