

Micro Top Flow

HIGH STRENGTH DECORATIVE FLOOR TOPPING

Description: *Micro Top Flow* is an ultra high bond, abrasion resistant, durable cement based decorative topping. It is formulated to resurface existing concrete, accept integral colours, acid stains and retooling and burnishing techniques. *Micro Top Flow* is a fluid two-component compound that can be easily placed.

Recommended For: *Micro Top Flow* has been specifically designed to resurface interior commercial or residential high traffic floors. It readily accepts decorative acid stains and solvent or water-based dyes. *Micro Top* comes in a grey or white base that can be integrally colored.

Advantages:

- Extremely high abrasion resistance.
- High compressive strength.
- Long open time with excellent leveling characteristics.
- Accepts integral colors, acid stains, dyes and most sealers.
- Disperses quickly and lump free.
- Cost effective, high-yield coverage.
- Can be re-trowelled to produce striking finishes.

Surface Preparation: All surfaces must be structurally sound, solid and completely clean, including the removal of form release, existing sealers, paints, weak or loose patching compounds, dust, dirt, oil or any other contaminant which may act as a bond breaker. Preferably employ mechanical preparation such as grinding or shot blasting to ensure a sound substrate. Prime all surfaces with Primeactive. Do not dilute Primeactive. Two coats of Primeactive are required; the first coat can be applied the day before. Primeactive is best applied with an applicator pad giving even puddle free coverage. Once the milky appearance disappears *Micro Top Flow* can be applied.

Mixing Instructions: **Step 1:** Prime surface with 2 coats of *Primeactive*. Apply primer liberally to the substrate and use a broom or brush to work the primer into the surface. Allow each coat to become tacky/dry before next application. **Step 2:** Put *Primeactive* (5.7L 1part water 1 part *Primeactive*) in pail and slowly add powder while mixing with slow speed paddle mixer. **Step 3:** Mix for about 2-3 minutes in total.

Note: Liquid / powder volume ratio is very critical. Use a pre-marked measuring bucket to ensure accurate liquid volume.

Application: **Step 1:** Place product on floor and use a gauge rake to spread evenly. Place at thickness of 1/16 to 3/16, and then flatten with a 20" pool trowel. **Step 2:** Another trowel pass will achieve a smoother surface. The second trowel pass should occur approx. 5 minutes after placement. Typically a slightly flexible pool trowel held at a very flat angle with some pressure will achieve a very flat surface. This will help to limit trowel marks as well as any small particle "float up" if these characteristics are not desired. Spiked shoes and / or spiked knee boards can be used for this trowel pass. Timing of this is

critical as the applicator's technique/ timing will greatly influence the final appearance of the placed product.

Compressive Strength:

(CAN/CSA-A5, ASTM C109)

28 Days:30 MPa	4350 Psi
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Coverage: A 22.7kg (50lb) bag of *Micro Top Flow* will achieve approximately 75 square feet at 1/8" thick. Rough concrete substrates will cause coverage rates to vary greatly.

Bucket Life: Approximately 20 to 30 minutes depending on temperature and humidity. Re-temper *Micro Top Flow* by re-mixing – DO NOT add more liquid.

Shelf Life: 1 year when dry stored in an unopened bag.

Curing Time: Light foot traffic in 18 to 24 hours. Heavy foot traffic can require up to 3 days of curing. Protect such surfaces with cardboard or paper.

Sanding / Buffing: Sanding or buffing is possible if the final desired look of the *Micro Top Flow* requires it. Wait 24 hours after application. Test a small area to ensure the desired effect can be achieved. Sanding will help to eliminate any acrylic residue that may occur.

Applying Stains or Dyes: Stains and Dyes can be applied as early as 24 hours after *Micro Top Flow* application.

Sealing: Allow 24 to 48 hours before applying water based sealers. Epoxy typically requires 7 days. Follow sealer manufacturer's application instructions. Solvent sealers are no recommended as they may soften the surface. Be sure to perform field tests prior to final application.

Clean Up: Ensure clean mixing equipment is used (buckets, drill paddles etc.). Keep mixing equipment clean during entire application process; this will help with product consistency from bag to bag. Protect mixing area with cardboard or plastic.

Limitations: Ideal mixing and placing temperatures are between 10°C to 27°C. Never apply *Micro Top Flow* at temperatures below 4°C or if temperatures are expected to drop below this mark.

Packaging: 22.7kg/50lbs. bag

Caution: Contains cement, a polymer and other additives that may cause skin irritation. In case of skin or eye contact, wash thoroughly with water. Please consult the MSDS for detailed safety and handling instructions. In case of eye contact consult with nearest physician. **KEEP OUT OF REACH OF CHILDREN.**

Warranty: Starpatch Concrete Products warrants that if its products prove to have manufacturing defects and Starpatch is notified of such within 6 months from date of Starpatch shipping, Starpatch will replace the defective products F.O.B. factory. Such product replacement shall constitute the sole and exclusive remedy for any claim under this warranty. This warranty is in lieu of all other warranties, expressed, implied or statutory and is strictly limited to its terms. Starpatch makes no warranty of merchantability or suitability of its products for any particular purpose. Starpatch sells its products upon the condition that the customers shall conduct their own tests to determine the suitability of the products for the customers intended purposes. Under no circumstances will Starpatch be liable for economic, special, incidental or consequential damages or losses of any kind whatsoever arising out of or occasioned by the selection, use, installation or replacement of this product.

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