

Trowel Down

SINGLE LIFT FLOOR FINISH

Description: *Trowel Down* provides a fresh concrete surface that can be left as is or will readily accept integral colorants, chemical staining and dyes. The cementitious topping will form a hard durable surface that will provide excellent wear resistance. *Trowel Down* comprises of a complex polymer-modified formulation, which is activated by the addition of *Primeactive*. This product is designed to be placed at 1/8th thickness, which will restore your worn or damaged slab to new.

Recommended For: Technik *Trowel Down* has been specifically designed to resurface high traffic commercial and residential areas in both interior and exterior settings. This product can be applied over a variety of substrates including properly prepared ceramic tile. It readily accepts *Trucolor*, acid stains and solvent or water-based dyes. *Trowel Down* comes in a light grey or white base.

Advantages:

- Extremely high abrasion resistance.
- High compressive strength.
- Long open time with excellent leveling characteristics.
- Accepts integral colors, acid stains, dyes and most sealers.
- Mixes quickly and lump free.
- Cost effective, high-yield coverage.
- Can be re-trowelled to produce a very dense and extremely wear resistant surface.

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 *Trowel Down* can be applied. Good surface preparation is the key to a successful installation.

Mixing Instructions:

A: Mix *Primeactive* activator with water at the ratio of 2:1.
B: Using a liquid measuring bucket measure off 3 liters of *Primeactive* and add 1.6 liters of water (2:1 ratio). For larger application pre-measure the 2:1 ratio into a larger container and measure out 4.6 liters of pre-blend *Primeactive* solution.
C: Once your mixing bucket has 4.6 liters of the blended solution add *Trucolor* color if required. Mix this prior to adding *Trowel Down*.
D: Slowly add the *Trowel Down* powder into the mixing bucket while mixing with a paddle mixer capable of 500-600 RPM.
E: Once all the powder has been added continue mixing for another 30 seconds. Stop to check consistency and scrape the sides of the mixing container. Resume mixing for another 60 seconds to ensure full dilution of all materials. Once fully mixed you should have a product that is pourable in consistency. You may need to adjust the volume of liquid based on ambient temperature. Never add more than 1/2 cup of additional *Primeactive* at one time when adjusting for final consistency. You should expect some polymer bleed when placing this product. Never mix more material than what can be placed in 5-10 minutes of mixing.

Application Procedure:

A: Pour *Trowel Down* sparingly over large areas of the floor and level material to the correct depth using a gauge roller. With a large finishing trowel, flatten the material using minimal strokes. Your finished surface should be smooth, with minimal trowel marks.

B: Once the material has begun to dry on the surface it is ready to be re-troweled. You may work the area by using a spiked kneeling board. Typically you can re-trowel after 5-40 minutes (depending on temperature). This second trowel pass will produce an extremely smooth and dense surface. You must work fairly quickly so that the material does not set too much. Keeping your trowel flat and even will produce the best results.

C: After the material has sufficiently cured (24 hours) you may use a buffer to sand the floor. Use #100 grit paper or mesh, to remove any residue that may have formed on the surface during the curing process. This process will also aid in improved acid staining and highlighting any integral color you may have added.

Coverage: A 50lb (22.7kg) bag of *Trowel Down* will cover approximately 60-80 sq.ft. At 1/8" thick. Coverage will vary based on concrete substrate.

Limitations: Do not apply during or when freezing is expected within 12 hours of application. Protect from moisture prior to applying sealer.

Bucket Life: Approximately 30 minutes, depending on temperature and humidity. If product begins to set in the bucket, re-mix by using a mixing paddle and drill to re-temper. Additional *Primeactive* may need to be added to attain desired consistency. Additional *Primeactive* will alter the color slightly.

Shelf Life: One year in original unopened bag in dry storage.

Curing Time: This will depend on ambient temperature and weather conditions. *Trowel Down* is ready for light foot traffic after 18-24 hours. Heavy traffic should only occur after the project has been fully sealed.

Sealer Options: The product can be sealed with *S830*, *S815*, *Holdout* or *Clarity Clear*. Only use solvent sealers for exterior applications and allow the *Trowel Down* to cure for 3 days prior to using *S830* or *S815*. Solvent sealers should only be applied during warm sunny weather. Refer to sealer data sheets for application instructions.

Color: Light gray and White

Caution: Contains cement, a polymer and other additives, which 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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