

Rapid Set

TRU™ Self-Leveling

Topping, Resurfacer, Underlayment



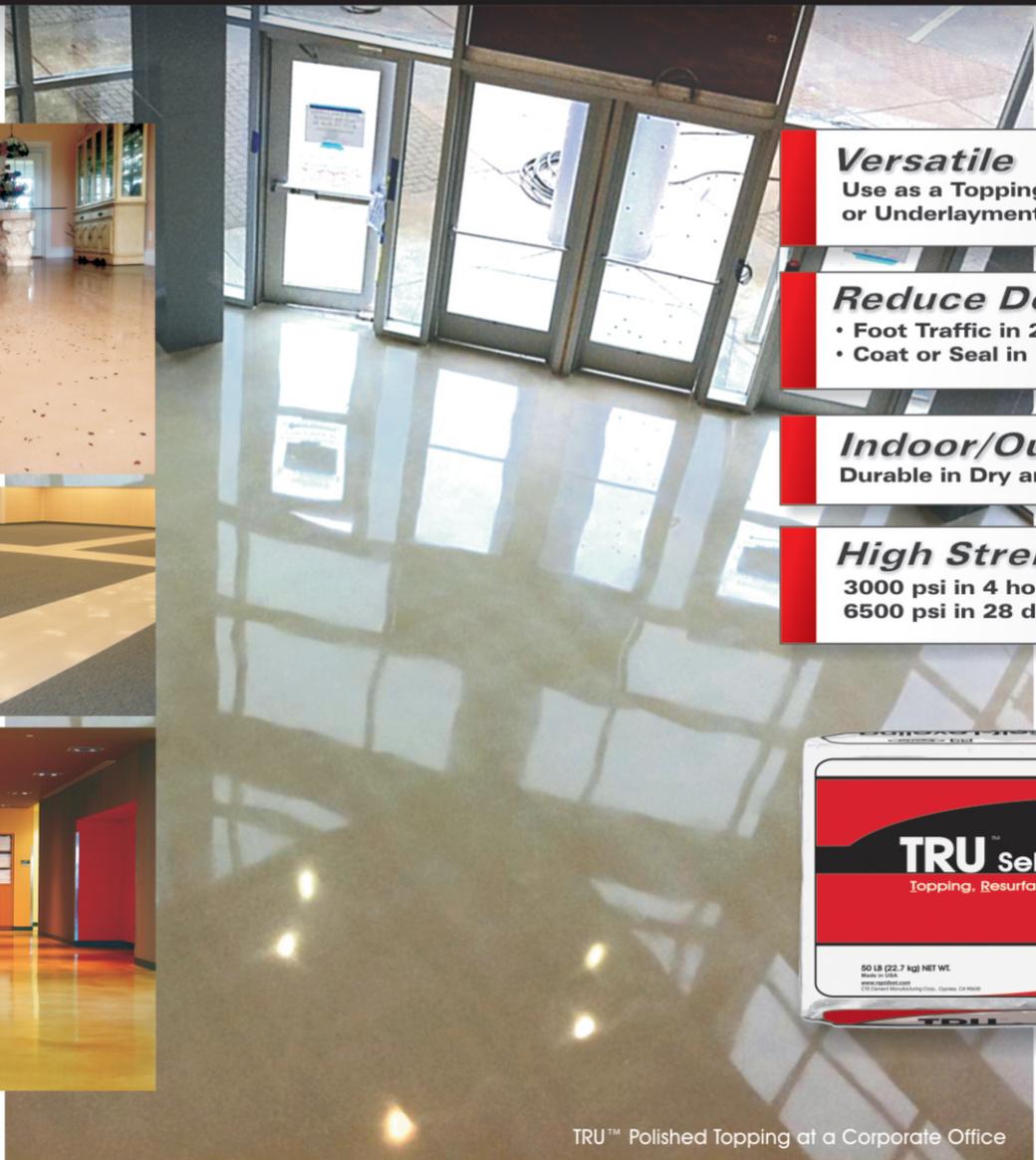
Residential



Retail Outlet



Sports Club



TRU™ Polished Topping at a Corporate Office

Versatile
Use as a Topping, Resurfacer
or Underlayment

Reduce Downtime

- Foot Traffic in 2-3 hours
- Coat or Seal in 12 hours

Indoor/Outdoor
Durable in Dry and Wet Areas

High Strength

- 3000 psi in 4 hours
- 6500 psi in 28 days



www.rapidset.com



TRU™ Self-Leveling Topping, Resurfacer, Underlayment

Rapid Set® TRU™ Self-Leveling Topping, Resurfacer, Underlayment

MANUFACTURER:

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DESCRIPTION:

Rapid Set® TRU™ Self-Leveling is an advanced hydraulic cement based, self-leveling topping, resurfacer, and underlayment that can be used both indoors and outdoors. TRU™ rapidly levels, maintains workability for 30 minutes, and produces a smooth, strong surface with high bond strength. TRU™ is ready for foot traffic in 2 - 3 hours and ready for coatings in about 12 hours. TRU™ Self-Leveling is a crack resistant, durable, one-component system and won't deteriorate in damp conditions.

Applications:

Use TRU™ when a high-quality and fast topping, resurfacer, or underlayment is required. TRU™ is ideal for projects that need long flow life and working time while achieving high early strength. TRU™ cures to a light off-white color ideal for floors that are stained, integrally colored, and decorative embedded aggregate flooring. It also grinds and polishes exceedingly well, making it ideal for polished decorative floors.

Technical Data:

Working Time 30 min. (70°F)
Flow Life 15 min. (70°F)

Compressive Str. (ASTM C109)
4 hours 3000 psi
24 hours 5000 psi
28 days 6500 psi

Slant Shear Bond Str. (ASTM C882)
7 days 2100 psi
28 days 2900 psi

Tensile Strength (ASTM C307)
7 days 210 psi
28 days 365 psi

Flexural Strength (ASTM C348)
24 hours 850 psi
28 days 1900 psi

Surface Preparation:

Substrate must be clean, sound, and free of oil, curing compound, dust, mastic and other bond-breakers. Surface should be ICRI CSP 3 - 5. Mechanical methods of surface preparation such as shotblasting are preferred. Acid etching the substrate is not recommended. Surface must be dry, have a minimum temperature of 50°F and be properly primed.

Prime:

Apply Rapid Set® Acrylic Primer to the prepared concrete substrate following the product specifications. When placing TRU™ as a decorative topping, epoxy with sand broadcast to refusal is the preferred method of priming. To use this method, follow the "Prime the Substrate" section in the Technical Bulletin for TRU™ Floor Polishing found at www.rapidset.com/TRU.asp.

Mix:

Add one bag of TRU™ to 4.5 quarts (4.3 liters) of potable water. Mix 3 - 5 minutes until the mixture is smooth and lump free. Avoid mixers that entrap large amounts of air. Mixed TRU™ should be used within 30 minutes at 70°F. Maintain material temperature above 50°F.

Placing:

Arrange work area to permit continuous placement without cold joints. Pour or pump the TRU™ onto the prepared and primed substrate with a minimum thickness of 1/8" over the highest point. TRU™ will flow and level out within its 15-minute flow life. Use a gauge rake, spreader or other tools to coax the material into place as required. Use a porcupine-type roller to remove any entrapped air.

For thicknesses greater than 1.5", extend each 50-lb. bag of TRU™ with 25 lbs. of clean, dry 3/8" pea gravel. Place the extended material to 1/2" below desired floor level and then place neat TRU™ for the final 1/2" within 24 hours.

Cure:

No wet curing is required under normal conditions at 70°F. If used in exterior applications apply a fine water mist to the newly hardened surface of TRU™ as soon as it can be done without marring the surface and continue until one hour after final set. Avoid excessively dry, windy, hot or sunny conditions.

Adhesives, thin set or paint can be applied after 6 hours. If used as a topping that will receive traffic, a high-quality sealer or epoxy can be applied per the manufacturer's recommendations after 12 hours.

Yield & Packaging:

TRU™ is available in 23 kg (50-lb.) polyethylene-lined bags. Yield is 0.45 cf per 50-lb. bag. Coverage is 22 -24 sf at 1/4" thickness and 11-12 sf at 1/2" thickness for flat surfaces.

Limited Warranty:

CTS Cement Manufacturing Corporation warrants its materials to be of good quality and, at its sole option, within one year of sale, will replace defective materials or refund the purchase price thereof and such replacement or refund shall be the limit of CTS's responsibility. Except for the foregoing, all warranties, express or implied including merchantability and fitness for a particular purpose are excluded. CTS shall not be liable for any consequential, incidental, or special damages arising directly or indirectly from the use of the material.

Before using this product, please review the detailed technical and safety information on TRU™ at www.rapidset.com/TRU.asp