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TECHNICAL BULLETIN

Subject: Placing TRU™ in multiple coats

TRU™ Self Leveling is designed to be poured over sound concrete that has been prepared to an ICRI Concrete Surface Profile (CSP) of 3-5. In some cases where the floor must be built up TRU™ can be applied in multiple coats using the following procedure.

Outline of Steps for Placing TRU™ in Multiple Coats:

1. *Prepare the substrate*

The surface must be clean, sound and free of all bond-breakers. Surface should be prepared to ICRI CSP of 3-5. Shot-blasting is known to be the best method to achieve the proper surface profile.

2. *Prime the substrate*

Prime the substrate thoroughly and uniformly with Rapid Set® Acrylic Primer according to the Data Sheet guidelines. Apply multiple coats if necessary. Multiple coats of Rapid Set® Acrylic Primer help eliminate formation of pin holes and loss of material working time due to loss of mix water to a porous substrate.

3. *Place the first coat of TRU™*

Mix and place the TRU™ as per CTS Cement specifications. Do not exceed 4.5 quarts of water per 50 lb. bag. Apply at a minimum thickness of 1/8" over the highest point in the floor. The average thickness should be 1/4" or greater.

4. *Prime the TRU™*

When the first coat of TRU™ is properly hydrated (usually 3 hours at 70°F), dilute the Rapid Set® Acrylic Primer with 3 parts water to 1 part primer. Apply the primer to the first coat of TRU™ with a stiff-bristle push broom. Spread evenly to thoroughly coat surface and avoid any puddling. The coverage on this coat should be roughly 600 to 800 sq. ft. per gallon of diluted primer (2400 to 3200 sq. ft. per gallon of undiluted Rapid Set® Acrylic Primer).



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5. *Place the second coat of TRU™*

Let primed surface dry to a tacky, transparent thin film (min. 3 hrs, max. 24 hrs).
When primer is dry apply TRU™ Self Leveling as above.

Test results have proven that this method can yield a floor with greater than 150 psi direct pull adhesion strength. For greater strengths, the first coat of TRU™ should be prepared to an ICRI CSP of 3-5 or an epoxy with sand broadcast should be applied prior to applying the second coat of TRU™. For more information about these methods please visit www.rapidset.com or contact a Rapid Set® technical representative.

TRU™ Technical Bulletin 04/19/11. For updated information please visit www.rapidset.com or contact your technical representative at 800-929-3030.