



DRYTEK FLOW TEST

TDS 235D

The following flow test procedure may be used to conduct field flow tests while installing DRYTEK self-leveling underlayments and decorative toppings. Whether barrel mixing or pumping, there are several critical job site factors that will affect the flow of self-leveling products. Some critical factors that should be closely monitored and recorded include ambient air temperature, surface temperature, water temperature, powder temperature, length and temperature of pump hose, pump settings, condition of pump equipment, and other site conditions.

Although it is common practice to adjust the amount of mix water as a result of the flow measurements during installation, it is important to note that the flow measurement is a single data point and is not intended to quantify the water content in the blended product. The installer must consider all of the jobsite conditions when adjusting the amount of water in the mix during installations. Overwatering self-leveling underlayments or decorative toppings will affect the product performance and appearance. See product data sheet for mixing instructions and mix water range. Site conditions should be monitored and recorded along with flow results and other jobsite information.

Materials / Equipment needed: DRYTEK Flow Test Kit or;

- Flow Ring – Smooth, non-corrosive tube (e.g. PVC, stainless steel) measuring 4” height and 2” internal diameter (ID) $\pm 1/16^{\text{th}}$ inch
- Square Panel – 16”-18” non-porous, smooth and flat, ceramic tile, Plexiglas or glass panel
- Ruler or tape measure for measuring flow in inches
- Clean container for collecting samples from mixing barrel or hose, large enough to fill Flow Ring
- Timer capable of measuring minutes and seconds
- Clean water for cleaning flow test equipment
- Sponge and cloth / paper towels for cleaning and drying flow test equipment

Note: Sample container, panel and flow ring must be clean and dry prior to conducting each flow test. Using a sample container, panel, or flow ring that has mortar, water, residue, or any other substance stuck to it will have an effect on the flow test results.

Procedure:

1. Place the clean, dry Square Panel on a level, stable surface.
2. Place a clean, dry Flow Ring in the center of the Square Panel.
3. Using a clean, dry container, retrieve blended self-leveling product sample from mixing barrel or end of hose then immediately fill Flow Ring completely to the top without overflowing. Confirm that none of the self-leveling product leaks out from the area where the Flow Ring is in contact with the Panel.
4. Record the time that the sample was collected on the Field Flow Test Report.
5. Simultaneously, start Timer and lift Flow Ring allowing self-leveling product to flow onto the Panel and form a circle shaped patty. If patty shape is not circular discard sample and retest.
6. Allow the self-leveling product to spread undisturbed for a minimum of 1 minute but not more than 4 minutes.
7. Measure the diameter of the circular patty twice, once each in perpendicular direction.
8. Record the average of the two diameter measurements as Flow in inches.
9. Completely clean and dry Flow Ring, Square Panel and sample Container prior to conducting subsequent tests.



Field Flow Test Report

See DRYTEK Product Data Sheet "Mixing" Section for Ideal Flow Range

Date		Your Name	
Your Company		Pump or Mixing Equipment Used	
Project Name		Project Address	
DRYTEK Product		Control numbers	
Hose Length or Barrel Mix		Surface Temp	
Air Temp / RH		Dry Powder Temp	
Water Temp		Mixed Slurry Temp	
Other Jobsite Notes:			

Flow Test Results

Time Sample Taken																		
Flow In Inches																		

Time Sample Taken																		
Flow In Inches																		

Time Sample Taken																		
Flow In Inches																		

Technical Data: Specifications are subject to change without notification. Technical data shown in product data sheets and technical data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary greatly due to variability of critical job site factors.

Technical Data Sheets are subject to change without notice. For latest revision, check our website at www.laticrete.com
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