



Use of TotalFlex® and Ultimate 6 Plus Mortars with the Hydro-Blok System

DATE

November 2025

RECOMMENDATION

TEC Specialty Products LLC has tested TEC® TotalFlex® 110 Universal Polymer-Modified Mortar, TEC® TotalFlex® 150 Universal Polymer-Modified Mortar, and TEC® Ultimate 6 Plus Mortar compatibility with the Hydro-Blok system. All three products have been found to be acceptable for use with the Hydro-Blok system when installed properly.

Discussion

The installation of TotalFlex 110, TotalFlex 150, and Ultimate 6 Plus with the Hydro-Blok system are eligible for the TEC Lifetime Limited System Warranty when paired with the appropriate TEC grout. Contact your sales associate or tecspecialty.com for details.

When installing TEC mortars with Hydro-Blok it is important to take several steps to treat the Hydro-Blok Joint Sealant to ensure the proper bond strength. Before applying mortar the sealant must be pre-treated with either TEC® Multipurpose Primer or TEC® HydraFlex™ Waterproofing and Crack Isolation Membrane. Multipurpose primer should be applied at full strength to the sealant. If using HydraFlex use the method outlined for waterproofing, which includes two coats of HydraFlex.

When installing the tile ensure that the notched trowel being used is large enough to ensure full coverage of the tile. Apply the mortar using the flat side of the trowel to promote better substrate contact, then comb in one direction with the notched side of the trowel perpendicular to the longest edge of the tile. Press tile into setting bed and move it perpendicular to the trowel ridges to achieve optimum coverage. Be sure to check your coverage periodically. Spread only an area that can be tiled while the mortar surface is still tacky. Clean mortar out of grout joints down to the bonding surface before mortar cures.

Allow mortar to cure for at least 24 hours before grouting. Grout with a TEC brand grout appropriate for the requirements of your project.

Questions?

Call the Technical Support Hotline at 1-800-832-9023.

This Technical Bulletin has been prepared in good faith based on information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered TEC brand product(s) under normal environmental and working conditions. Because each project is different, TEC Specialty Products LLC cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions. The owner or owner's representative is responsible for determining acceptability of the product prior to installation.

To learn more, visit TECspecialty.com



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