



Installation of Kalesinterflex® Large Format Porcelain Tiles

DATE

November 2025

RECOMMENDATION

TEC Specialty Products LLC recommends the use of TEC® 3N1® Performance Mortar or TEC Ultimate Large Tile Mortar for the installation of Kalesinterflex® Plain and Fit (fiberglass reinforced) large format porcelain tile. Contact the tile supplier to determine which tile type and thickness is appropriate for your application.

Discussion

Installations of Kalesinterflex large format tile are eligible for the TEC 25 Year Limited System Warranties when installed with 3N1 or the TEC 15 Year Limited System Warranties when installed with Ultimate Large Tile Mortar. Contact your sales associate or tecspecialty.com for details.

Kalesinterflex tile have specific storage and handling requirements. The use of a special frame with suction cups is highly recommended for handling 120 in. x 40 in. (300 cm x 100 cm) Kalesinterflex slabs.

The maximum variation in the substrate must not exceed $\frac{1}{8}$ " in 10' (3 mm in 3 m) and $\frac{1}{16}$ " in 2' (1.5 mm in 0.6 m). TEC offers a full line of surface preparation products for surface flattening, leveling, waterproofing and crack isolation.

To install Kalesinterflex use a notched trowel 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. Additionally, each tile must be "back buttered" to achieve complete coverage and full support. Press tile into setting bed and move it perpendicular to the trowel ridges to achieve optimum coverage. Spread only an area that can be tiled while the surface is still tacky (typically 10-15 minutes). Clean mortar out of grout joints down to the bonding surface before mortar cures.

Allow mortar to cure 48 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 on the basis of 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.

To learn more, visit TECspecialty.com



TEC Specialty Products LLC | 1105 South Frontenac Street, Aurora, IL 60504-6451