



Installation of Resin Backed Stone Tile

DATE

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RECOMMENDATION

Resin backed stone is becoming more common in the marketplace today. The resin backing (typically epoxy) can be smooth or have a texture created with an aggregate broadcast into the resin. These backings are difficult to bond to with typical thin set mortars.

The TEC® bonding mortars and mortar with primer listed below may be used for installing resin backed stone tile.

Select the appropriate bonding mortar for the resin backing type in accordance with the following chart:

Resin Backing Type	Suitable TEC Bonding Mortar
Backing primed with TEC® Multipurpose Primer:	
Smooth resin	• Any TEC Latex Modified Thin Set Mortar
Fiber reinforced resin	• Any TEC Latex Modified Thin Set Mortar
Resin with aggregate	• Any TEC Latex Modified Thin Set Mortar
Backing unprimed:	
Smooth resin	• AccuColor EFX® Epoxy Grout and Mortar
Fiber reinforced resin	• AccuColor EFX Epoxy Grout and Mortar
Resin with aggregate broadcast	• 1Flex™ Crack Isolation Mortar (floors only), • Super Flex™ Premium Latex Modified Thin Set Mortar, • Full Set Plus® Premium Thin Set Mortar mixed with XtraFlex™ Premium Acrylic Mortar Additive.

Discussion

The purpose of these backings is to minimize breakage of thin cut fragile stone tile. Backings can consist of a resin material alone, a resin with fiber reinforcement or a resin with aggregate broadcast in to create a texture. Although these backings prevent excessive breakage that can be costly and time consuming, they are difficult to bond to. Bond issues can be eliminated with the use of the primer and mortars recommended above.

Questions?

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

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