

TL-0028 - Tile Wearing Surface Technical Letter

This technical letter provides guidance on setting beds for tile to be placed over surfaces waterproofed with Bituthene[®] or Procor[®].

There are two basic classes of tile setting beds:

1. Portland cement mortar
2. Thin set mortar

There are several materials used as thin set mortars such as latex-Portland cement, epoxies, and furan. As the name implies, thin set mortars are usually applied less than 1/4 in. (6 mm) in thickness.

There have been instances of poor adhesion of thin sets over some waterproofing systems. We do not recommend using Bituthene[®] or Procor[®] in conjunction with thin set mortar. Bituthene[®] and Procor[®] may be used in conjunction with wire mesh reinforced Portland cement mortar setting beds at a minimum thickness of 1 1/4 in. (31.75 mm) as recommended by the Ceramic Tile Institute. A protection layer between the Bituthene[®] or Procor[®] and mortar is required. Examples include Hydroduct[®] 660, 1/8 in. (3 mm) asphaltic hardboard and 1 in. (25 mm) extruded polystyrene.

Please review the standard application procedures found on Bituthene[®] and Procor[®] Data Sheets.

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