

TL-0028 — Tile Wearing Surface Technical Letter (US Version)

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-modified Portland cement 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[®] Membranes in conjunction with thin set mortar. BITUTHENE[®] and PROCOR[®] Membranes 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[®] Membrane and mortar is required. Examples include HYDODUCT[®] 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[®] Membrane Data Sheets.

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