

# TL-0028 — Tile Wearing Surface Technical Letter

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This technical letter provides guidance on setting beds for tile to be placed over surfaces waterproofed with BITUTHENE<sup>®</sup> or PROCOR<sup>®</sup>.

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<sup>®</sup> or PROCOR<sup>®</sup> Membranes in conjunction with thin set mortar. BITUTHENE<sup>®</sup> and PROCOR<sup>®</sup> 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<sup>®</sup> or PROCOR<sup>®</sup> Membrane and mortar is required. Examples include HYDODUCT<sup>®</sup> 660, 1/8 in. (3 mm) asphaltic hardboard and 1 in. (25 mm) extruded polystyrene.

Please review the standard application procedures found on BITUTHENE<sup>®</sup> and PROCOR<sup>®</sup> Membrane Data Sheets.

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