

DESIGN CRITERIA

1. Related Sections: Division 07 Section Joint Sealants for sealing of expansion, contraction, control, and isolation joints in tile surfaces; and Division 09 Section Gypsum Board for ceramic wall tile substrate; Division 09 Section Common Work Results for Floor Preparation.
2. This Section specifies thin-set unglazed and glazed ceramic tile, including pavers, wall tile, stone thresholds, tile setting, grouting materials, accessories, and installation requirements.
3. TCNA Handbook, 2020, installation methods for F113, F116, F131, F132, F133, and F134 indicate concrete receiving tile be steel troweled and fine broom finished. The General Requirements: Subsurfaces and Preparations by Other Trades – 2018 in the ANSI tile installation specification booklet (ANSI A108 series) suggests particular specifications for related trades regarding preparation for tile work that is not a part of the ANSI specifications. This Section specifies requirements to prepare the concrete slab in accordance with ANSI A108 series and roughen slab where required to assure bond.
4. Indicate expansion joints and other sealant-filled joints including control, contraction, and isolation joints on Drawings.
 - A. Indicate sealant-filled control joints at perimeter of floor tiles where abutting walls and columns.
 - B. TCNA notes to provide joints in tile immediately above joints in substrates. If A/E does not want a joint in tile above a joint in substrate (such as control joint in concrete floor slab) then indicate use and location of Crack Isolation Membrane or other system.
5. If tile is required in food processing areas, to match or replace existing tile:
 - A. Provide tile that is classified in ANSI A137.1 as Vitreous Tile, based on water absorption of 0.5 to 3.0 percent.
 - B. Provide epoxy grout in food handling and food processing areas where quarry tile is required.

END OF SECTION