

Exterior Decks/ Use With Plywood

Compotite Corporation 800/221-1056

A. Tiled Decks or Balconies (not over occupied space)

1. Deck must be sloped 1/4" to 1/2" max. per foot towards the drainage system. If plywood is already in place and not sloped, use a pre-slope of wire lath with sand and cement to achieve proper pitch.
2. Adjacent flashing must be in good condition and the COMPOSEAL GOLD membrane must be properly sealed or "tied in" to all existing flashing, drain, gutters, and pipes. Compotite's Elastiseal is manufactured for this purpose, providing a "gasket type" seal between the PVC membrane and metal, glass, rubber, concrete, ceramic tile or most painted and primed surfaces. Be certain water cannot back up under the tile installation and freeze. Drainage must be complete with no standing water at any time.
3. Plywood substrates (min. 3/4" to 1" thick or two 1/2" boards) expand and contract at greater rates than cement mortar and should be isolated from the tile installation to prevent debonding and cracking. This can be accomplished by:
 - a. applying a 1 1/4" to 2" wire-reinforced mortar bed directly to the plywood, then bonding COMPOSEAL GOLD atop the mortar, or
 - b. placing cementitious backer units (CBU's) atop the plywood, then bonding COMPOSEAL GOLD directly to the CBU.

B. Tiled Roof Decks Over Occupied Space

Nos. 1 and 2 above are required.

3. For waterproofing tiled decks over occupied space with COMPOSEAL membranes, a wire-reinforced mortar bed (1 1/4" to 2" thick) above the membrane is required. Exactly the same procedure as installing an interior tiled shower should be followed.*

COMPOSEAL BLUE Shower Pan membrane is recommended for this purpose, as bonding to the substrate is not required.

C. Interior Use of COMPOSEAL GOLD over Plywood

Interior tile installations over plywood substrates also require extra precaution. Please follow step A.# 3 above, method a or b. Note that heavy point loading should not be allowed on ceramic tile installations over plywood.

*Refer to "Tile Roof Decks", by George Lavenberg, CTC, in Sept., 1991 issue of TILE and DECORATIVE SURFACES. (Copies available from Compotite).