# M 45 MARKETING BULLETIN

## Tectum™ Roof Deck over Swimming Pools

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Tectum Inc. recommends the use of 5" or greater Tectum IIIP roof plank over swimming pools. The maximum span being 5' o.c. except in areas where the heating degree days are less than 5000 the maximum span is 6' o.c. The panel consists of 1 1/2" Tectum substrate, 3" or greater of extruded polystyrene insulation (Dow Styrofoam™ brand insulation), and 7/16" OSB. The attachment of the panels requires the use of corrosive-resistant screws spaced to achieve design requirements. The edges and ends of the panels must be sealed with BASF adhesive Degabond 948 in both sides of the slot above the Tectum substrate to minimize moisture migration. The screws and adhesive are available from Tectum Inc. The use of other screws or sealant required specific approval from Tectum Inc. Notify Tectum Inc. when Tectum IIIP deck is being used in pool applications. Panels must be terminated at or on the wall and be insulated from exterior conditions. Typical details are shown at www.tectum.com in the Drawings section (Pool Details).

As an alternate, 2" Tectum I roof plank can be used provided:

1) Maximum span 36".

2) An NRCA-recognized vapor retarder installed over the deck in accordance to NRCA requirements.

3) A minimum R-20 insulation above the vapor retarder.

4) Tectum deck is attached with corrosive-resistant screws available from Tectum Inc.

Another alternate is 2" Tectum I roof tile. The maximum tee spacing is 32" o.c. using bulb tees either galvanized or coated with a rust-prohibitive coating intended for use over pools. The roof tile is grouted in place and attached as required with corrosive-resistant screws. Follow number 2 and 3 above.

When using Tectum I roof decks, the specifications for the deck system, vapor retarder, and insulations are to be reviewed on an individual basis by Tectum Inc.

Ventilation requirements for pool areas must conform to current building code requirements for high humidity areas.

**WARNING: Tectum Long Span Plank is not to be used in pool areas. Urethane or isocyanurate insulations should not be used without a vapor retarder as they will absorb moisture.**

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