T 62 TECHNICAL BULLETIN

Roofing Over Tectum™ I Roof Decks

Rev. June 2013

TECTUM Inc. • P.O. Box 3002 • Newark, OH 43058 • www.tectum.com • 1-888-977-9691

The following procedures are recommended for the attachment of roofing felts, vapor retarders and insulation over Tectum I roof decks.

The majority of Tectum I roof decks will have additional insulation applied. If Tectum I deck is used in a high humidity area, special design considerations must be addressed. These include but not limited to the application of a vapor retarder and prevention of the dew point temperature from occurring within the Tectum I substrate.

The three most common methods for attachment of roofing felts and insulation are mechanical attachment, solid mopping and strip mopping. Each has some advantages.

The installation of a vapor retarder over Tectum I roof deck must meet the requirements of the NRCA Design Manual for vapor retarders. Attach the base sheet by one of the methods listed.

Mechanical Attachment: A base sheet can be mechanically fastened to the Tectum I roof deck. When insulation is mopped to this base sheet or BUR is attached to the base sheet, the attachment must meet the required uplift resistance. Manufacturers of fasteners designed to attach base sheets to Tectum I roof decks are Simplex Nails, Inc.*, Americus, GA www.simplexnails.com/main.html 800-622-3354 or E S Products* (esproducts.com), Bristol, RI 401-253-8600.

Solid Mopping: Solid mopping is a continuous mopping of the Tectum I roof deck surface leaving no unmopped areas. Use a steep asphalt conforming to the requirements of ASTM D312, Type III or Type IV. The base sheet or insulation is adhered by the hot asphalt.

Strip Mopping: Strip mopping or sprinkle mopping may be used on Tectum I roof deck. Sprinkle mopping is defined as a random mopping pattern, which the heated beads of asphalt are strewn on the substrate in a random pattern with a brush or mop. Strip mopping is a mopping pattern where the hot asphalt is applied in parallel bands. The base sheet is adhered by the hot asphalt.

Attachment of insulation
See Technical Bulletin T-38 for information on fastener attachment of insulation to Tectum I roof decks. This bulletin also addresses foam adhesive attachment of insulation to Tectum I roof decks.

*The inclusion of another manufacturers products of specifications in our literature does not indicate an endorsement or guarantee. The use, application and installation must conform to the individual manufacturers instruction and literature.

™ Trademark of Tectum Inc.

TECTUM INC.
The Noise Control Solution