TRUPAVE® ENGINEERED PAVING MAT
INSTALLATION GUIDELINES – HOT MIX ASPHALT CONCRETE

Installation Guidelines for TruPave® Engineered Paving Mat under Hot Mix Asphalt Concrete (HMAC)

Surface Preparation
- Power broom, sweep or vacuum the pavement before installing TruPave. The pavement surface should be dry, free of dirt and loose stones prior to installation.
- Fill all cracks 1/4" (.63cm) or greater with an approved material.
- Repair failed pavement areas prior to installing TruPave.

NOTE: A scratch or leveling course may be used if deemed necessary by the engineer.

Asphalt Tack
- Always use neat or polymerized asphalt tack. Emulsions or cutbacks are not recommended.
- Tack temperature in the truck should be between 325-400°F (163-204°C).

NOTE: Heating the tack coat above 400°F (204°C) in the truck will cause premature aging of the asphalt.
- AC-20, PG64-22, PG70, AR8000, 60-80 penetration grade or polymerized PG70 graded asphalt should be used. For high temperature installations, high viscosity asphalt tack should be used. These include, but are not limited to; AC-30, PG67-22, AR8000, 40-60 penetration grade or polymerized PG70 graded asphalt.

NOTE: Residue grades such as AR grades do not specify initial viscosity. Since the asphalt used in this application does not go through a hot-mix plant, use of these grades does not insure proper viscosity of the asphalt. Bituminous materials specified for TruPave installation should have initial or un-aged viscosity corresponding to the above grades.
- Tack application rate is 0.20 g/sq yd, (.90 l/m2), but this may be adjusted slightly to take into account the condition of the existing surface.
- The width of the asphalt tack shall be the mat width, plus a minimum of 4" (10.16cm) longitudinally on the overlap sides.

Installation Best Practices
- TruPave may be installed by unrolling in a clockwise or counter clockwise direction.
- Any wrinkle that occurs during installation, 1" (2.54cm) and larger, shall be slit and lapped in the direction of paving and pressed down into the tack coat.

NOTE: Burning or torching of TruPave to remove wrinkles should never be done.
- To ease installations around curves, TruPave can be placed in shortened lengths by mechanical equipment or by hand.
- TruPave should never be installed when wet or on wet pavement.
- Turning of the paving equipment, trucks or other vehicles on TruPave should be gradual and shall be kept to a minimum to avoid damage to the mat.
- To alleviate the pickup of TruPave on vehicle tires, caused by the exposure to high ambient temperatures or overspray of tack causing bleed-through, clean blotting sand or HMAC may be required to be spread over the affected area. Excess blotting sand shall be removed before the installation of the hot mix asphalt placement over the TruPave mat.
- After the installing TruPave, the pavement may be opened to traffic at the contractors/engineers discretion.
- TruPave can be installed using a tractor, truck-mounted frame or by hand. Brooms should be used to seat the TruPave into the tack and remove air bubbles.
- An overlap minimum of 2" (5.08cm) longitudinally and 4" (10.16cm) transversely shall be used. Transverse overlaps should run in the direction of the paving operation, and all overlaps tacked together.

General Construction Notes
- Minimum HMAC overlay thickness should be in accordance with the Asphalt Institute (AI) guidelines.

NOTE: Minimum lift thickness should be at least 3 times the nominal maximum aggregate size to ensure aggregate can align themselves during compaction to achieve required density and also to ensure mix is impermeable.
- Take care in unloading TruPave. The rolls can be damaged if dropped.
- TruPave should be protected from getting wet during storage and transportation.
- When possible, do not allow vehicles to park on TruPave for extended periods of time. This could cause damage to the mat.

Owens Corning cautions that as the Asphalt Institute’s recommendations evolve and so may the corresponding recommendation. The statements in this letter only apply to the Asphalt Institute’s recommendation in effect as of December 1, 2004.

Questions concerning installation issues should be directed to:

1-800-GET PINK®
Or visit our website at http://www.owenscorrning.com/trupave