

## Pavement Reinforcement Mesh

### Installation Procedures for GlasGrid® TF 8501TF & 8511TF

#### Road Preparation

Complete all crack sealing, pothole filling, base repairs, leveling course applications, etc.

#### Road Surface Condition

Surface must be:

- Dry
- Clean and dust-free

Asphalt pavement surface temperature must be between 21°C and 60°C\* (70°F and 140°F\*\*). On asphalt surfaces less than 24 hours old, the surface temperature must be between 21°C and 46°C (70°F and 110°F). GlasGrid TF contains a tack film designed to replace traditional tack coat and enhance the bond between the fresh pavement surface and the overlay asphalt. A light tack coat may be required over an aged, oxidized surface prior to installing the GlasGrid TF product..

#### Product Preparation

In order to preserve adhesive properties GlasGrid TF **must** be stored inside a dust-free environment and kept dry at the job site.

A GlasGrid System representative should be present during the initial installation of the GlasGrid TF.

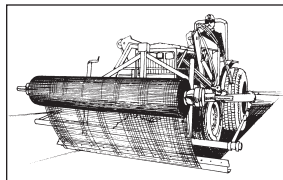
#### Two Easy-to-Place Methods

##### A. Using a Fabric Tractor

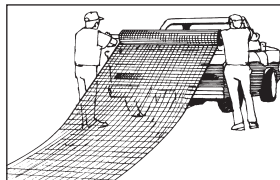
1. Load roll onto front of tractor. **Always load the red-colored end of the core on the right side of the installation vehicle to allow placement of mesh with the self-adhesive side down and the tack film on top.**
2. Roll only with rubber-tired roller to activate adhesive. Roller must be kept clean.
3. Perform paving operation.

##### B. Manual Placement Procedure

1. Load roll on back of pick-up truck. **To ensure that the mesh will always unroll with the sticky side face down,** load so that the red-colored end of the core is on the same side of the truck each time. Tack film should **always** be on top.
2. Secure the roll with locking device.



Fabric Tractor†

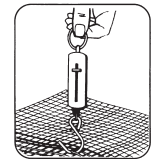


Manual Placement Procedure

3. Secure start of roll on pavement as the truck slowly moves away.
4. For shorter pieces pull mesh off roller to desired length. Cut with utility knife and lay by hand.
5. Roll only with rubber tired roller. Roller must be kept clean.
6. Perform the paving operation.

#### Test for Proper Adhesion

1. Cut 1 m<sup>2</sup> (approx. 1 sq yd) of GlasGrid TF.
2. Place on area to be paved.
3. Activate self-adhesive glue by rolling with a rubber tired roller or by walking on the sample.
4. Insert hook of spring balance through film and under center of GlasGrid TF piece.
5. Pull upwards until GlasGrid TF starts to pull from the surface.
6. Record results in kg (or lb).
7. If 9 kg (approx. 20 lb) or more, OK to pave. Stop immediately if GlasGrid TF moves or ripples.



**If less than 9 kg (approx. 20 lb), do not pave with the GlasGrid System without corrective action to address the issue.**

#### Important Issues

1. **To activate the tack film, asphalt must be placed at a minimum of 140°C (284°F) and the existing leveling surface temperature must be between 21°C and 60°C (70°F and 140°F).**
2. Because fiberglass is considered a skin irritant, workers should wear gloves while handling GlasGrid TF products.
3. To cut to desired length, lay GlasGrid TF over ironworks, roll, and then cut using a sharp utility knife.
4. GlasGrid TF must be applied without ripples. Sufficient tension during application will eliminate this problem.
5. Overlap at end of roll joints 75–150 mm (3 in.–6 in.). Ensure that the overlaps are shingled in the direction of paving and that these overlaps receive an application of tack.
6. Overlap longitudinal joints 25–50 mm (1 in.–2 in.).
7. Prior to paving, only construction and emergency vehicles shall be allowed to drive on the installed GlasGrid TF. If the GlasGrid/tack film becomes damaged, replace the material in this area.

\*All metric values are nominal.

\*\*All imperial values are approximate.

†Preferred method is mechanical with tractor.