

GlasPave®

Installation Guide



WATERPROOFING PAVING MAT

The GlasPave® Waterproofing Paving Mat is a unique combination of fiberglass mesh embedded between two high performance polyester mats. GlasPave delivers the highest performance for the given tensile strengths (25 kN or 50 kN) in the market compared to any other paving interlayer. The distinctive design is optimized for easy installation and to achieve maximum performance.

FIELD INSTALLATION PROCEDURES

SURFACE PREPARATION

1. The GlasPave Paving Mat should be stored indoor and protected from the water and the environment.
2. GlasPave can be installed on an existing, milled or new bound pavement surface.
3. Surfaces must be free from dirt and loose stone prior to spraying a tack coat and installing the GlasPave Paving Mat.
4. Cracks with widths greater than 1/4 in. (6 mm) must be filled with an approved crack sealant and all potholes must be repaired.
5. If installing GlasPave on a milled surface, the texture depth (distance between the top of ridges and trough) should not be greater than 1/2 in. (12.5 mm). If texture depths exceed 1/2 in. (12.5 mm) please consult a manufacturer's representative.
6. On concrete pavement surfaces, a level course is recommended prior to the placement of GlasPave.

TACK COAT APPLICATION

7. The tack coat must be applied uniformly and provide full coverage. Apply tack the full width of the GlasPave material plus 6 in. (150 mm) to ensure full coverage.
8. Use a hot applied tack coat. PG 64 (-10 to -34) is recommended. When ambient temperatures are above 90°, PG 70 (-10 to -34) is recommended.
9. The recommended application rates are:

Surface Type	Application Rate
New asphalt	0.15 gal/yd ² (0.70 L/m ²)
Existing asphalt	0.17 gal/yd ² (0.80 L/m ²)
Milled surfaces	0.18 gal/yd ² (0.90 L/m ²)

10. Surface and ambient temperatures during installation shall be 50° F (10° C) and rising, to allow liquid tack to hold the GlasPave in place.



Image 1: Interlayer laydown equipment.



Image 2: Distributor truck with fabric applicator attached to the back.

FIELD INSTALLATION PROCEDURES - CONT'D

MATERIAL PLACEMENT

11. GlasPave can be applied by interlayer laydown equipment (see image 1) or a distributor truck with a fabric applicator attached to the back (see image 2).
12. All adjacent GlasPave material should be overlapped (see image 3).
 - a. Longitudinal (direction of traffic): 1 in. to 2 in. (25 mm to 50 mm)
 - b. Transverse (90° to traffic): 2 in. to 4 in. (50 mm to 100 mm)
13. All overlaps shall be shingled in the direction of the paving.
14. Use a pneumatic tire roller on top of the installed GlasPave to bond the GlasPave to the tack coat (see image 4).
15. Any wrinkles greater than 1 in. (25 mm) should be slit and lapped in the direction of paving (see image 5).
16. If any tack coat bleeds through the GlasPave or is left exposed, then small quantities of loose asphalt mix can be spread on the areas that are bleeding.
17. The asphalt overlay or chip seal should be installed the same day as the GlasPave.
18. All paving machine types can run on the installed GlasPave (see image 6). However, all turns by pavers, rollers, or asphalt delivery trucks should be made gradually.
19. Non-construction traffic should be kept off the GlasPave unless approved by the engineer and the manufacturer's representative.



Image 3: All adjacent GlasPave should be overlapped.



Image 4: Use a pneumatic tire roller to bond the GlasPave to the tack coat.



Image 5: Wrinkles after rolling that are 1 in. or greater should be slit and shingled in the direction of paving.



Image 6: All paving machine types can run on GlasPave.