TECHNICAL DATA SHEET

GlasGrid®

Fiberglass Asphalt Pavement Reinforcement

GlasGrid® is a high-strength, open fiberglass grid custom-knit in a stable construction and coated with an elastomeric polymer and self-adhesive glue. GlasGrid Fiberglass Paving Grid System is manufactured at a Saint-Gobain ADFORS facility that has achieved ISO 9001:2020 certification and meets the requirements of AASHTO M355 Class 3 Paving Grid.

PROPERTIES

- High grid stiffness provides a wrinkle-free installation & a direct load transmission
- Low elongation
- Thermal & chemical stability
- Excellent milling performance

PHYSICAL PROPERTY	UNIT	GG100	GG200	TEST METHOD
Style (Opening Size)	inches	8511 (1″ x 1″) 8501 (0.5″ x 0.5″)	8512 (1″ x .75″) 8502 (0.5″ x 0.5″)	-
Tensile Strength (MD x CD) Ultimate	kN/m	100 x 100	100 x 200	ASTM D6637
Tensile Elongation Ultimate	%	<3%	<3%	ASTM D6637
Tensile Resistance @ 2% Strain (MD x CD)	kN/m	80 x 80	80 x 160	ASTM D6637
Young's Modulus (E) of E-glass	MPa	73 000	73 000	
Mass per Unit Area	oz/yd^2	12	28	ASTM D5261
Melting Point Coating	°F	450°	450°	ASTM D276
Melting Point Glass	°F	1508°	1508°	ASTM C338
Adhesive Backing	Pressure Sensitive			

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BENEFITS

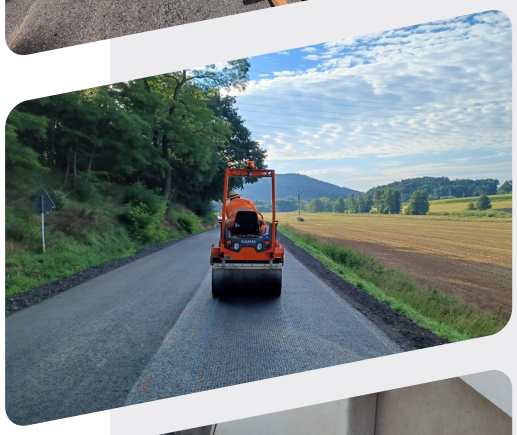
» **REDUCED MAINTENANCE COSTS:** High strength, low elongation fiberglass grid slows the progression of reflective cracks, dramatically extending pavement life

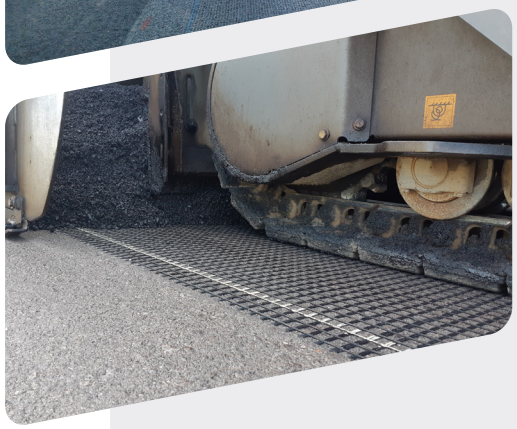
» **GRID DESIGN:** Open aperture promotes aggregate interlock between paving courses

» **EASE OF INSTALLATION:** Effective bonding of grid to leveling course with pressure activated adhesive coating

» **THERMAL & CHEMICAL STABILITY:** Fiberglass will not shrink when contacted with hot mix asphalt. The engineered elastomeric polymer coating protects the fiberglass from asphalt pavement chemicals

» **RECYCLABILITY:** Material breaks down during milling, without the need for secondary processing





INSTALLATION

- Complete all crack sealing, pothole filling, base repairs, and leveling course application. Road surface must be dry, clean, and dust-free with a temperature of 40–110°F.
- Unroll the GlasGrid with the adhesive side face down on the base pavement
- Overlap end of the roll joints 2–4″ and longitudinal joints at a minimum of 2″
- Press the grid to the layer to activate glue and ensure bonding between the lower surface and grid
- Apply tack coat per project requirements
- Permit the tack coat to completely cure prior to proceeding
- Apply a minimum 1.5″ thick top asphalt layer after compaction

PRODUCT	ROLL WIDTH (IN)	ROLL LENGTH (YD)	AREA (SqYd)	ROLL WEIGHT (LBS)	PALLET QTY
8501	59	109	179	140	9
8511	80	109	242	140	9
8502	59	65.7	108	110	9
8512	80	65.7	108	110	9

SAINT-GOBAIN

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