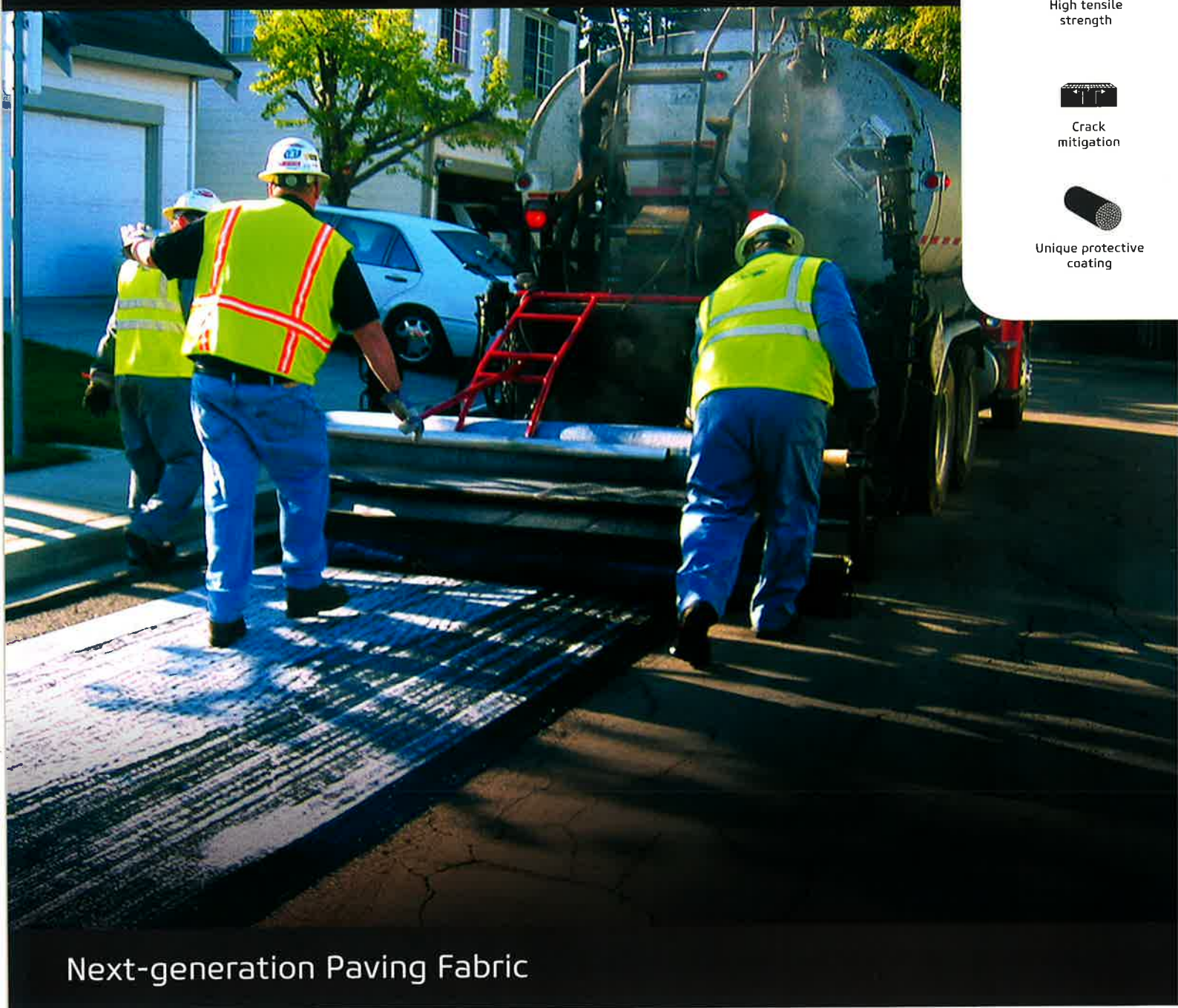
ADFORS WATERPROOFING PAVING MAT

GlasGrid® GP



Moisture-resistant membrane

High tensile strength

Crack mitigation

Unique protective coating

Next-generation Paving Fabric

Your Partner for Innovative Textiles

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GlasGrid® GP extends pavement life and reduces project costs.

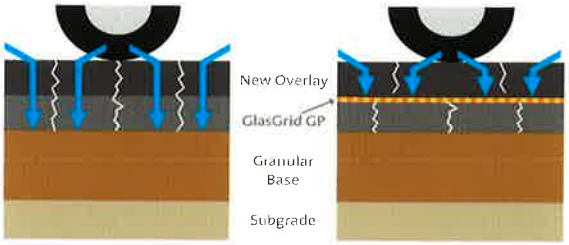
GlasGrid GP (GlasPave) reduces the potential for thermal and stress-related cracks reflecting through to the surface of a new asphalt overlay. Compared to traditional methods, GlasGrid GP provides a much more cost-effective solution, and is six times stronger than traditional paving mats.

GlasGrid GP is constructed of high strength, continuous fiberglass fibers, coated in a patent-pending elastomeric polymer and embedded between two spun bond polyester textiles. GlasGrid GP creates not only a strong and effective moisture-resistant membrane, but also a high-tensile strength product. It is resistant to rot, chemicals and mildew, is thermally stable, and does not shrink or change dimensions when exposed to hot mix asphalt.

GlasGrid GP can be installed with traditional asphalt binders and requires 25% less hot asphalt cement to be saturated. Compared to traditional non-wovens, GlasGrid GP reduces your project's system costs as well as its carbon footprint.

GlasGrid GP interlayers have undergone third-party testing using the ASTM D5084, "Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter."

GlasGrid GP Creates a Waterproofing Membrane



Samples of GlasGrid GP were saturated with 0,15 gal/yd² of hot AC binder, using the guidelines set out in ASTM D6140. The asphalt-saturated materials were then tested in a permeameter, a tri-axial-type cell used for making hydraulic conductivity measurements. A confining pressure of 5 psi was used for the test. Results are shown in the table below.

Interlayer Type	Mass/Unit Area	Thickness	Asphalt Retention Rate	Coefficient of Permeability (cm/sec)
GlasGrid GP25	135 g/sqm (4 oz/yd²)	1,02 mm (0,04 in)	0,68 l/sqm (0,15 gal/yd²)	$2,8 \times 10^{-11}$
GlasGrid GP50	237 g/sqm (7 oz/yd²)	1,02 mm (0,04 in)	0,68 l/sqm (0,15 gal/yd²)	$3,2 \times 10^{-11}$

These results prove that the GlasGrid GP AC-saturated interlayer had an extremely low water permeability rate. Based on literature cited, a membrane, tested in this manner, will greatly enhance the waterproofing of a pavement if the permeability is less than 1×10^{-3} cm/sec.

Features and Benefits of GlasGrid GP:

- Easy to install and can be used on milled surfaces
- Higher tensile strength for delayed reflective cracking
- Strong waterproofing membrane
- Life cycle cost savings can be realized through reduced maintenance intervals
- No creep for reliable, long-term performance
- Lower level of asphalt binder required and smaller project carbon footprint make GlasGrid GP environmentally friendly
- Fully millable and recyclable

Learn more about how GlasGrid® Pavement Reinforcement System products can increase the life of your paving projects.

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