Choose the Pavement Interlayer System That is Right for Your Application

The GlasGrid® Pavement Reinforcement System provides additional support to resist the migration of reflective cracks in pavement applications, thus reducing maintenance and life cycle costs. The GlasGrid System has proven to be effective in every geographical area and climatic - from desert environments to near arctic conditions. Manufactured by Saint-Gobain ADFORS in Albion, New York, this interlayer system is composed of a series of fiberglass strands coated with an elastomeric polymer and formed into a grid structure. Each strand has a remarkably high tensile strength and high modulus of elasticity; this is particularly important in asphalt and flexible pavements since cracks form at low strains. And now GlasGrid TF, the newest product in the GlasGrid System, is the only pavement interlayer to include a pre-installed tack film that offers faster installation, improved performance and savings on labor, time and material costs.

A hybrid geosynthetic paving material, GlasPave® is a unique combination of fiberglass mesh embedded into high performance polyester mats. The non-woven matrix structure of GlasPave allows for an asphalt binder to penetrate and fill voids within the fabric to limit moisture infiltration into a pavement structure. The fiberglass matrix in a GlasPave paving mat coated with an elastomeric polymer provides significantly greater tensile strength at low strain than commonly used conventional paving fabrics and other paving mats. This significantly greater tensile strength when compared to other paving materials helps delay reflective cracking, which is a common contributor to costly repairs and the eventual failure of asphalt overlay applications. Even in the harshest environments, GlasPave can provide significant improvement to the service life of the overlay.
Selection of Geosynthetic Pavement Interlayers

Geosynthetic interlayers are a cost-effective and easy solution to increase the service life of asphalt overlay applications. Tensar International Corporation (Tensar) offers two geosynthetic reinforcement systems that improve the performance of asphalt layers in new construction and pavement rehabilitation: The stress absorbing GlasGrid® Pavement Reinforcement System offers superior stiffness characteristics along with an open aperture to ensure through-hole bonding of asphalt layers. This unique combination of features makes the GlasGrid System the preferred choice for heavy- and medium-duty roadway projects in terms of performance and total life-cycle costs. The GlasGrid® Pavement Reinforcement System combines the wickable permeability of a polyester mat with the high modulus of fiberglass netting to yield a cost-effective reflective crack mitigation system adaptable to light- to medium-duty roadway projects.

TWO TYPES OF INTERLAYERS ARE AVAILABLE TO MEET YOUR REQUIREMENTS:

GlasGrid® Pavement Reinforcement System

- **GlasPave50** - 1 in. x 0.75 in.
- **GlasPave25** - 0.5 in. x 0.75 in.

GlasPave50 is recommended for projects in terms of performance and total life-cycle cost. The GlasPave25 is more cost-effective for projects with limited budget. Each of these proprietary systems consists of a multi-aperture fiberglass webbed mat designed to reduce reflective cracking in asphalt pavement overlay applications.

GlasPave50 is composed of polyester netting with a unique combination of through-hole bonding apertures to yield a cost-effective reflective crack mitigation system. It is not recommended for pavement/vertical interlayers in heavy-duty roadway projects. It is best suitable for projects where the performance and total life-cycle cost are more critical.

GlasPave25 is a cost-effective option for projects in medium-duty roadway projects. It is designed to meet the performance and total life-cycle cost.