



AsfaltTex

Asphalt Reinforcement
Woven Fiberglass Geogrid

AsfaltTex is a fiber glass based geogrid material for reinforcing asphalt. The **AsfaltTex** geogrid is designed for preventing the cracks and reinforcing the asphalt cross section.

AsfaltTex geogrids are manufactured in both bi-axial and uni-axial types according to requirements.



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FIELDS OF APPLICATION

In the **AsphaltTex** asphalt reinforcement applications;

- After trimming or cleaning the application surface, the cracks on the surface must be filled and necessary surface restoration works must be performed.
- The application surface must be free of asphalt particles, dust and any loose materials.
- The application surface must be completely free of humidity and water.
- The temperature of the application surface must be higher than +5 °C.

During **AsphaltTex** applications, the quantity of the emulsion to be used as tack coat must be determined accurately depending on the type and the application surface.

AsphaltTex can be applied smoothly to the application surface by means of a specially designed apparatus. This apparatus enables maximum application speed. In case this apparatus is not available at site, the rolls can be laid easily by hand.

ADVANTAGES

AsphaltTex asphalt reinforcement;

- Improves the tensile strength of the asphalt concrete by forming reinforcement layer. The laboratory and field tests conducted to this effect demonstrated that the fiberglass geogrids improve the service life of the superstructure coatings at 80%.

- Compensates the tensile stresses within the asphalt concrete arising from thermal effects, thus preventing cracks at the overlay.
- Compensates the reflective crack tensions acting from the substructure and prevents transition of the same to the superstructure and minimizes crack formation thus improving the durability and service life of the superstructure.

RANGE OF PRODUCTS

Tailor-made for the intended use, **AsphaltTex** asphalt reinforcement geogrids are generally manufactured for different mesh sizes and tensile stresses, which are;

- **AsphaltTex** 50/50 (50 kN/m / 50 kN/m),
- **AsphaltTex** 100/50 (100 kN/m / 50 kN/m),
- **AsphaltTex** 100/100 (100 kN/m / 100 kN/m),
- **AsphaltTex** 150/100 (150 kN/m / 100 kN/m),
- **AsphaltTex** 150/150 (150 kN/m / 150 kN/m),

PACKAGING AND STORAGE

AsphaltTex is manufactured as rolls with maximum 6,20 m width and generally 50 m length. Each roll is shipped in packaging as protected against UV effects.

If the rolls are to be stacked up on top of each other, it is recommended to stack up to maximum 6 rows and, the width of the rolls (up to 2 m) are shorter, then it is recommended to load and store the rolls in upright position

TECHNICAL SPECIFICATIONS

Product	Standart (TS ENS ISO 10319)					
	Tensile Strength (kN/m)		Elongation at Nominal Strength (%)		Tensile Strength at %2 Elongation	
	MD	CMD	MD	CMD	MD	CMD
AsphaltTex 50/50	50	50	<5.0	<5.0	>30	>30
AsphaltTex 100/50	100	50	<5.0	<5.0	>60	>30
AsphaltTex 100/100	100	100	<5.0	<5.0	>60	>60
AsphaltTex 150/100	150	100	<5.0	<5.0	>90	>60
AsphaltTex 150/150	150	150	<5.0	<5.0	>90	>90

Roll Packing

