



BasaMesh™ Geo-Grid Reinforcing Basalt Mesh

BasaMesh™ for Construction: A reinforcing Geo-Grid Material made from Basalt Fiber Reinforced Polymers and used as an alternative to traditional steel WWM in walls or flatwork; to prevent cracks as well as for reinforcement of mortars and non-load bearing concrete or cementitious applications. Compared with E-glass and steel, BasaMesh has a higher tensile strength, thus minimizing crack width and spread. BasaMesh is also an excellent choice for reinforcing applications where coverage depth and shadowing are of concern.



BasaMesh™ for Paving: Used for reinforcing road and highway asphalt overlays to prolong the pavement's lifespan by reducing the effects of reflective cracking caused by traffic loading, age hardening, rutting, shoving and temperature cycling. Pavement life between maintenance intervals is also significantly extended. Basalt reinforcing mesh makes it possible to reduce the thickness of asphalt pavement up to 20% when combined with BasaMix™.



Primary Benefits

- High tenacity basalt fibers are 100% corrosion proof and will NEVER rust, rot or degrade
- Excellent resistance to chemicals, environment and alkali
- Safe and easy to install and use – without special equipment
- Lightweight
- Extremely low heat transfer coefficient, reducing heat transfer from building exteriors to interiors - driving energy efficiency
- Non-conductive, will not interfere with RF signals
- Special coating provides excellent adhesion with concrete – does not stretch or pull like polymer meshes
- Eco-Friendly and Green with no negative environmental impact

Thermal Properties

Melting Range: 1460-1500 °C
Sintering Temperature: 1050 °C

Crystallization temperature: 1250 °C
Thermal Conductivity, W/(m·K) 0.031-0.038

BasaMesh™ Reinforcing GeoGrid Mesh		
Mesh window size	25 mm x 25 mm	38 mm x 38 mm
Surface Density	190 +/- 10 g/m ²	
Breaking Load	Warp >50.0 kN/m	Weft >50.0 kN/m
Elongation at Break	2.5% +/- 1%	
Roll Size	Width: 1 m or 4 m	Length: 50 m

