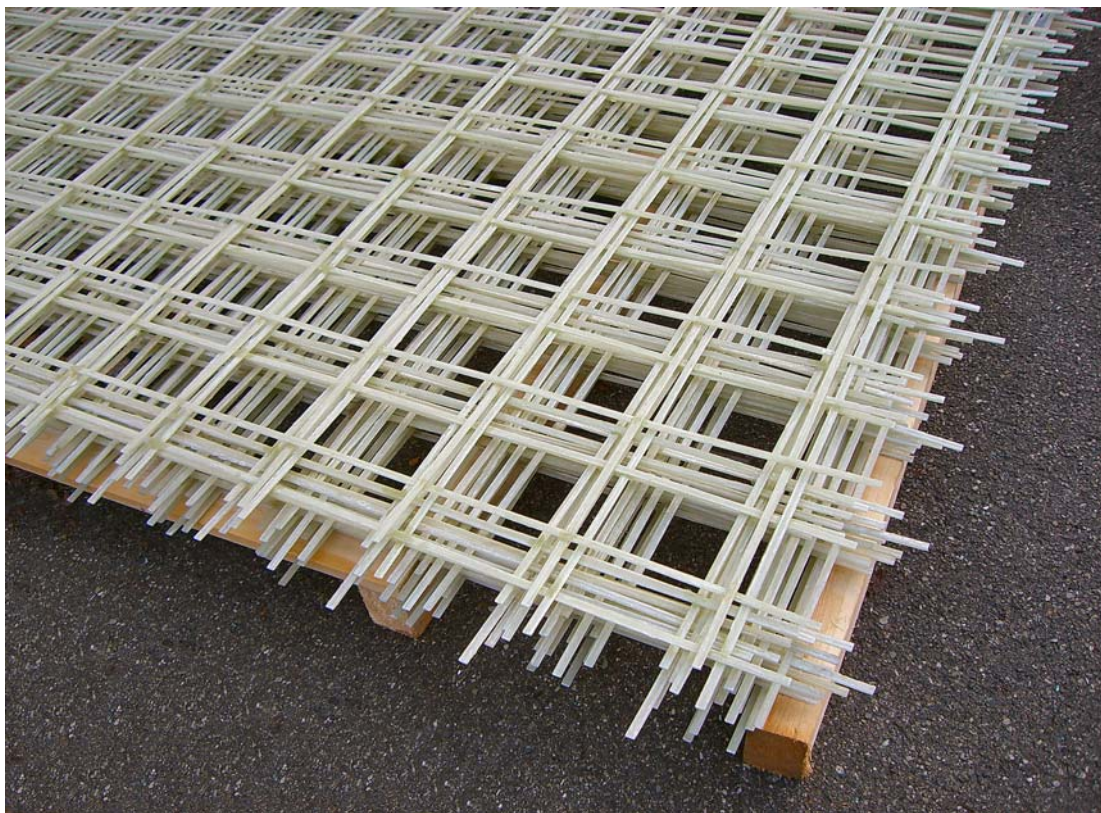




GEOTECHNIC



Technical Data Sheet

Glasspree FL MESH 10-200

08 December 2007

Glass Fiber Reinforced Polymer flat bar mesh for reinforcement of tunnel excavation front.
Single flat wires are externally coated with quartz and resin during production process.

Technical Data Sheet



Glasspree MESH 10-200

08 December 2007

TECHNICAL DATA

DIMENSIONS	DIMENSIONS	DIMENSIONI
<ul style="list-style-type: none"> - Wire Width: 10 mm ± 0,5 mm flat bar - Wire Thickness: 3 mm ± 0,5 mm - Mesh Pitch: 200 mm - Mesh weight: 600 g/sqm ± 5 % 	<ul style="list-style-type: none"> - Largeur du Fil: 10 mm ± 0,5 mm - Epaisseur du Fil: 3 mm ± 0,5 mm - Espacement du Maille : 200 mm - Poids du Maille: 600 g/sqm ± 5 % 	<ul style="list-style-type: none"> - Larghezza Filo: 10 mm ± 0,5 mm - Spessore Filo: 3 mm ± 0,5 mm - Spaziatura Maglia: 200 mm - Peso Maglia: 600 g/sqm ± 5 %
MATERIALS USED	MATERIELS UTILISE	MATERIALI IMPIEGATI
<p>Glass : Direct "E" Roving</p> <ul style="list-style-type: none"> - Density on fibres: 2,55 g/cm³ - Tensile Strength: > 2000 MPa - Breaking elongation: > 4,4 % - Tensile Elastic modulus: > 70 GPa <p>Resin : Vinylester resin</p> <ul style="list-style-type: none"> - Density: 1,15 g/cm³ - Tensile Strength: > 55 MPa - Breaking elongation: > 4.5 % <p>Sand : Spheroidal natural quartz-Crystal with trigolar structure</p> <ul style="list-style-type: none"> - Density: 2,65 g/cm³ - Composition: SiO₂> 98 % - Grading curve: 0,15/0,3 mm 	<p>Verre : Roving direct verre "E"</p> <ul style="list-style-type: none"> - Densité sur les filaments: 2,55 g/cm³ - Résistance à traction: > 2000 MPa - Allongement à la rupture: > 4,4 % - Module d'élasticité à traction: > 70 GPa <p>Résine : Résine Vinylester</p> <ul style="list-style-type: none"> - Densité: 1,15 g/cm³ - Résistance à traction: > 55 MPa - Allongement à la rupture: > 4.5 % <p>Sable : Quartz sphéroidal natural. Cristal à structure trigonal</p> <ul style="list-style-type: none"> - Densité: 2,65 g/cm³ - Composition: SiO₂> 98 % - Granulométrie : 0,15/0,3 mm 	<p>Vetro : Roving Diretto "E"</p> <ul style="list-style-type: none"> - Densità delle fibre: 2,55 g/cm³ - Resistenza a trazione: > 2000 MPa - Allungamento a rottura: > 4,4 % - Modulo elastico a trazione: > 70 GPa <p>Resina : resina Vinilestere</p> <ul style="list-style-type: none"> - Densità: 1,15 g/cm³ - Resistenza a trazione: > 55 MPa - Allungamento a rottura: > 4.5 % <p>Sabbia: Quarzo sferoidale naturale a struttura trigonale</p> <ul style="list-style-type: none"> - Densità: 2,65 g/cm³ - Composizione: SiO₂> 98 % - Granulometria : 0,15/0,3 mm
CHARACTERISTICS	TECHNIQUES	TECNICHE
<ul style="list-style-type: none"> - Density: 1,9 g/cm³ - Glass content: ≅ 70% - Tensile Strength: ≅ 1000 MPa - Tensile Elastic modulus: ≅ 40 GPa - Ultimate load: ≅ 150 kN/m 	<ul style="list-style-type: none"> - Densité: 1,9 g/cm³ - Contenu en verre: ≅ 70% - Résistance à traction : ≅ 1000 MPa - Module d'élasticité à traction: ≅ 40 GPa - Charge ultime à traction: ≅ 150 kN/m 	<ul style="list-style-type: none"> - Densità: 1,9 g/cm³ - Contenuto di vetro: ≅ 70% - Resistenza a trazione: ≅ 1000 MPa - Modulo elastico a trazione ≅ 40 GPa - Carico ultimo a trazione: ≅ 150 kN/m



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