

## HardPlus fibreglass rebar mesh

<p><b>9 times</b></p> <p>Lighter than rolled steel rebar.</p>	<p><b>100 % stainless</b></p> <p>Corrosion resistant. Properties do not change even at 100% humidity.</p>	<p><b>3 times</b></p> <p>Stronger pressure resistance than class A III steel rebar.</p>	<p><b>Cheaper</b></p> <p>Composite rebar, cheaper than steel rebar.</p>	<p><b>100 % electricity free</b></p> <p>Non-conductive and impervious to electromagnetic radiation.</p>	<p><b>Completely non-conductive</b></p> <p>Unaffected by heat. No thermal conductivity.</p>	<p><b>100% durable</b></p> <p>Double the usable life compared to steel.</p>	<p><b>Resistant</b></p> <p>To aggressive chemical environments, salts, acids, and alkalis.</p>
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### Material

AR-type glass fibre (Alkali resistant glass) **82%**, epoxy **18%**: epoxy-thermoactive resins, amino hardener, (trimethyl hexamethylene diamine) inhibitor (stops the effect of UV), accelerator, & graphite.

### Surface covering

This fibreglass rebar is surrounded by a rough quartz-sand profile which ensures product adhesion.

### Usage

- **As concrete rebar** and to support various structures
- **In aggressive environments** as rebar
- **As rebar for thin concrete**, where criteria are set for the protective layer of concrete
- **In agricultural structures**, where concrete comes into contact with phenols: barns, silos, & slurry tanks
- **Pools, ports, bridges, & berths**

### Documents

The following product measurements have been taken at the TalTech Mechanics and Metrology Test Laboratory: yield strength, tensile strength, elongation at break, and modulus of elasticity.

**Produced in:** Ukraine

**Distributor:** Fiberglass Estonia OÜ  
Tel: +372 529 2498  
Email: info@fge.ee

### Production list

Diameter	Product size	Packaging	Quantity per package
3mm 150 x 150	50 m x 1.15m	Roll	57.5m <sup>2</sup>
4mm 150 x 150	50 m x 1.15m	Roll	57.5m <sup>2</sup>
6mm 150 x 150	2 m x 1.15m	Sheet	2.3m <sup>2</sup>
6mm 150 x 150	3 m x 1.2 m	Sheet	3.6m <sup>2</sup>
7mm 150 x 150	3 m x 1.15m	Sheet	3.45m <sup>2</sup>
8mm 150 x 150	3 m x 1.15m	Sheet	3.45m <sup>2</sup>

### Fiberglass rebar mesh to metal rebar mesh comparisons

- 3mm = 5mm
- 4mm = 6mm
- 6mm = 8mm
- 7mm = 10mm
- 8mm = 12mm

