

## HardPlus fibreglass rebar

<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, & modulus of elasticity.

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

### Production list

Diameter	Packaging	Length
4mm	Roll	100m
6mm	Roll	100m
8mm	Roll	100m
10mm	Roll	50m
12mm	Roll	50m
14mm	Rod	6m
16mm	Rod	6m
18mm	Rod	6m
22mm	Rod	6m

### Fiberglass rebar to metal rebar comparisons

4mm = 6mm	12mm = 16mm
6mm = 8mm	14mm = 18mm
7mm = 10mm	16mm = 20mm
8mm = 12mm	18mm = 22mm
10mm = 14mm	22mm = 25mm

