REBAR

COMPOSITE REBAR
COMPOSITE MESH
GFRP BENT ELEMENTS
GFRP PLANT SUPPORT
GLASS FIBER FOR CONCRETE

CONSTRUCTION PRODUCTS (GFPR)

MADE IN UKRAINE

02

UKRAINIAN MANUFACTURER OF COMPOSITE PRODUCTS

Our company's first priority is to supply Ukrainian products with EU certification to the global market.

Our Team is highly motivated and flexible when it comes to the requirements of our clients.

Looking for new dealers and exclusive partners, we are interested in long-term collaboration based on common values.

COMPOSITE REBAR

GFRP Rebar – is a more durable and effective reinforcing material than steel.

Diameter: 4–32 mm

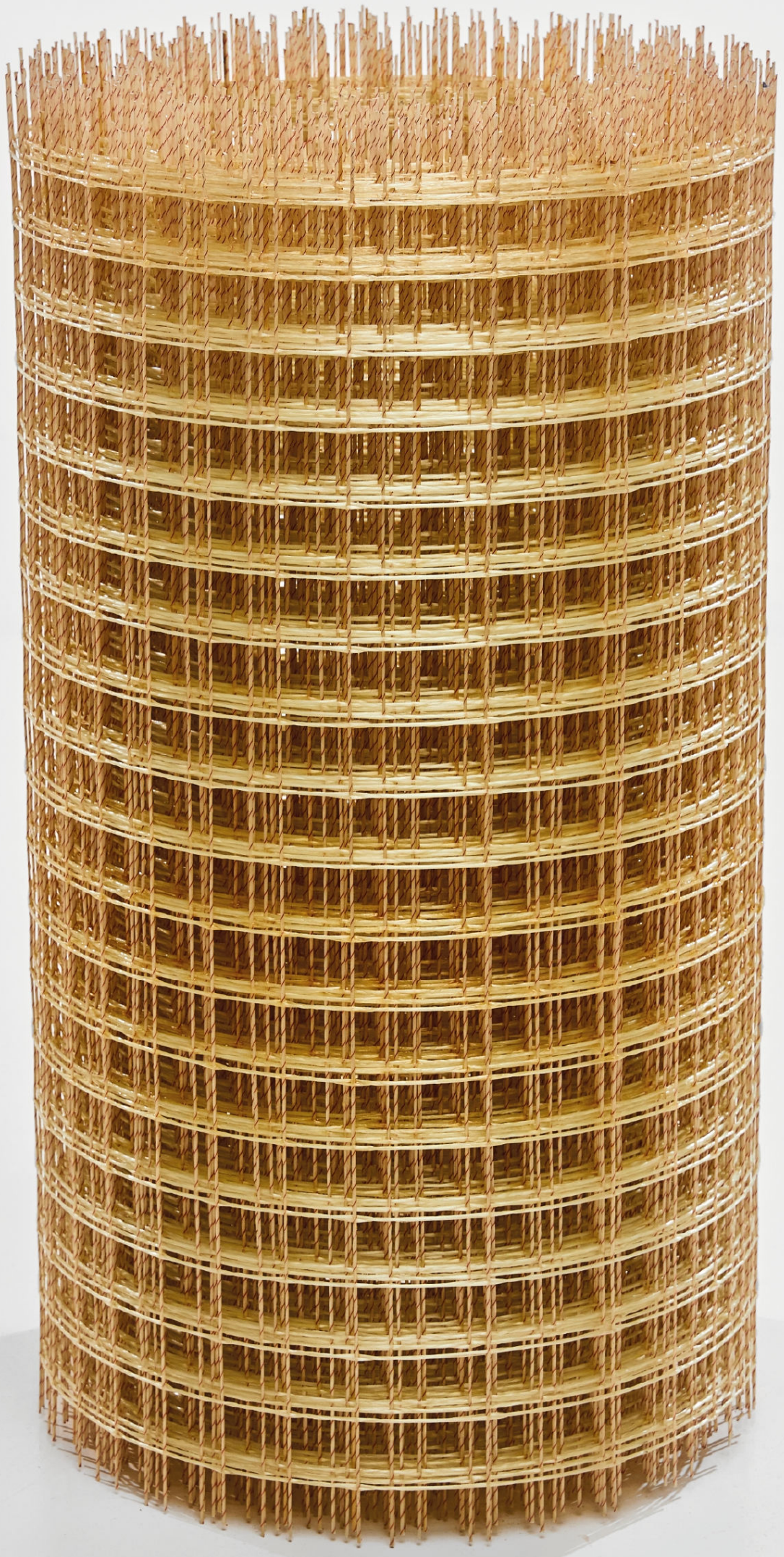
Properties	Composite Rebar
Ultimate tensile strength	800–1300 MPa
Elongation	2,20%
Modulus of elasticity	55 000 MPa
Thermal conductivity ratio	0,35 W/(m0°C)
Linear coefficient of expansion	9–12 ax-5/°C
Density	1900 kg/m3
Electrical conductivity	non-conductive
Aggressive environment resistance	non-corrosive and acid resistant

ADVANTAGES

- Resistance to the breaking
- Cohesion of composite reinforcement
- Resistance to corrosion
- Thermal conductivity
- Durability and environmental friendliness
- High safety and functionality

REBAR

04



COMPOSITE MESH

Composite Braided Mesh (GFRP or Fiberglass Mesh) is a full-fledged analog of metal mesh.

Diameter: 2–6 mm, 50×50, 100×100, 150×150, 200×200

Indicators	Composite Mesh
Tensile strength	800–1300 MPa
Width	0,38–2 m
Breaking strength of a rod	600–950 kgf
Thermal conductivity	0.35 W/(m0°C)
Linear coefficient of expansion	9–12 ax-5/°C
Square unit weight	360 kg/m3
Dielectric properties	Does not conduct electricity

ADVANTAGES

- Non-corrosive
- 2 times stronger than steel
- Lifespan of up to 80 years
- 9 times lighter than steel
- Transparency to radio waves
- Adhesion to concrete
- High loads application
- Non-magnetizable

USAGE OF GFRP REBAR AND MESH:

CORROSION FREE

- Underwater structure
- Building foundation
- Roads and infrastructure

NON-CONDUCTIVE

- Power plants
- Aluminum smelters
- Light rails

THERMAL INSULATOR

- Energy building
- Refrigerated warehouses
- Grain elevators

HORTICULTURE

- Gardening infrastructure (to arrange greenhouses and fences)

- Plant maintaining structures (support for plants and trees)

- Landscape design (for any design goals)

REBAR

06

REBAR

GFRP BENT ELEMENTS

GFRP bent elements are made of glass fibers embedded in the resin; and they can take any size. GFRP bent elements are made of glass fibers embedded in the resin; and they can take any size and shape:

- circles
- rhombuses
- triangles
- squares

ADVANTAGES

- Non-corrosive
- Non-conductive
- Non-magnetizable
- Lifespan of up to 80 years
- 6 times lighter than steel

USAGE

- To increase the durability of constructions made of reinforced concrete
- To combine the components of three-dimensional frames
- To reinforce a wide range of items
- To strengthen the corner and sections of constructions, at the interface points of critical elements.

GFRP PLANT SUPPORT

GFRP plant support (Fiberglass stake) is a composite support made of epoxy resin and glass fiber. The primary goal of staking, whether they are trees, plants, vegetables, or flowers, is to provide support but it can be widely used.

USAGE

Fruit nursery, vineyards, growing, plants in fields, building garden, structures and greenhouses.

ADVANTAGES

- Lifespan of up to 80 years
- Corrosion resistance
- Lightweight
- Vandal-proof function
- 2 times stronger
- Repeated use
- Environmental friendliness
- Any length
- Any color
- High safety and functionality

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GLASS FIBER FOR CONCRETE

With a nominal cutting length of 3–40mm with a thread diameter of 10–15 microns, glass fiber for concrete is manufactured as a cut roving. By fusing glass fibers with concrete, you may create a superb composite material with many benefits.

IF YOU ADD IT TO CONCRETE, YOU'LL GET:

- Ultimate strength in compression, bending and stretching – 4–5 times;
- Impact strength – 10–15 times;
- Frost resistance – more than 300 cycles;
- Water resistance – W20;

PRODUCT SPECIFICATIONS:

Diameter – from 15 to 35 microns;

Length – from 12 to 25 mm;

Density – 0.91–2.6 g/cm3;

Strength – 500 MPa;

Appearance – white fibers;

Tensile strength –
from 968 to 1400 MPa.

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CULTURE OF COOPERATION WITH REBAR

WHAT ARE THE BENEFITS AND WHY US?

We produce a fairly recent yet popular building material that will be relevant for the upcoming decades. By investing money in our products, you will expand your market and increase the amount of orders you receive.

WE OFFER:

Certified products

You may be confident that you won't buy a pig in a poke because we place a lot of emphasis on quality and devote a lot of effort to it.

Competitive prices

Due to our in-house production in Dnipro, you won't overpay and will instead receive the pricing directly from the manufacturer.

Quick delivery

We work with over 10 different logistical partners. We won't have any issues getting you a truck.

Samples and promo materials

We will send them free of charge:)

Customised orders

Please let us know if you require a unique product design; we are here to assist you.

Business trip to our Production or Office

We constantly invite visitors to come and see us in Ukraine. We can make arrangements if you are ready.

REBAR

LET'S CREATE A PROFITABLE BUSINESS TOGETHER!

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