

# FIBERGLASS WIRE MESH

Binevir Fiberglass Wire Mesh is designed to replace welded wire mesh used in various construction applications. Fiberglass Wire Mesh consists of high tensile strength fiberglass wires connected by a plastic joints. Supplied in rolls and sheets.

## Welded Steel Wire Mesh Roll

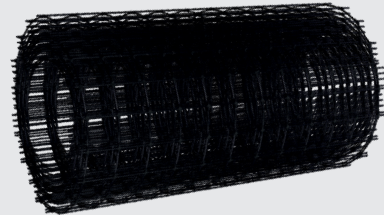
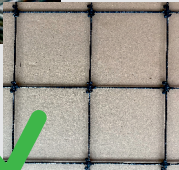
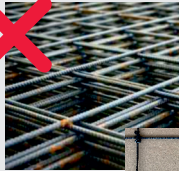
- Heavy – 152 lbs
- Difficult to unroll
- Wavy
- Rusts and corrodes
- Needs special cutting tool

## Fiberglass Wire Mesh Roll

- Superlight – only 40 lbs
- Easy to unroll
- Flat
- No rust and corrosion
- Easy to cut



## STEEL VS FIBERGLASS



## STANDARD SHEETS

Wire size	Width		Length		Spacing		Sheet Weight		Package	Skid Weight	
	ft	mm	ft	mm	in	mm	lbs	kg	pcs	lbs	kg
GFRP W1.4 (10 Ga.)	5	1524	10	3048	6x6	150x150	2.68	1.22	100	268.3	121.7

## STANDARD ROLLS

Wire size	Width		Length		Spacing		Roll Weight	
	ft	mm	ft	mm	in	mm	lbs	kg
GFRP W1.4 (10 Ga.)	5	1524	150	45720	6x6	150x150	40.25	18.26

**BINEVIR**  
COMPOSITES

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# FIBERGLASS WIRE MESH

## Technical properties

Property	Unit	Test method
Shrinkage Cracking	>22%	ASTM C1579
Guaranteed Ultimate Tensile Force	2.0 kip 8.8 kN	ASTM D7205
Guaranteed Ultimate Tensile Strength	142 ksi 976 MPa	
Mean Tensile Modulus of Elasticity	>9 Msi 64 GPa	
Mean Ultimate Tensile Strain	1.9%	
Mean Shear Strength of Mesh Intersection – Primary Direction	58 Lbs 0.26 kN	ASTM A1064
Mean Shear Strength of Mesh Intersection – Secondary Direction	61 Lbs 0.27 kN	
Guaranteed Transverse Shear Strength	>19 ksi 134 MPa	ASTM D7617
Mean Horizontal Shear Strength	>7 ksi >49 MPa	ASTM D4475
Mean Glass Transition Temperature (DSC)	219°F 104°C	ASTM E1356
Fiber Mass Content	> 80%	ASTM D2584



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