

# Constructive profiles FIBERGLASS PROFILES DATA SHEET



## APPLICATION

Poutruded fiberglass reinforced composite profiles, can be used in different technical constructions manufacture (stairs, servicing platforms, overpasses, areas, ceiling, maintenance constructions and buildings, constructions constrained with electricity etc.)

### Fiberglass composite main properties

- Resistance to corrosive attacks, chemical resistance
- Tight structure
- Lightweight
- Dyed by RAL
- Low electrical conductivity



**EN 13706 “Reinforced plastic composites”, Specification LVN UTN 0103 90 490-01-2016.**

Properties	According	Remarks
Chemical resistance	ISO 175, 4892	Class C4, C5-I, C5-M
UV-radiation resistance	EN ISO 4892-3:2006	Resistance, stable
Mechanical endurance	LVS EN ISO 527	Tension resistance border (LW) 263-488 MPa Tension resistance border (CW) 51,6 MPa Elastic modules 23,2-30,1 GPa
Fireproof and fire reaction	LVS 263-2000 EN 13501, EN 13823	Class: B s1 d0 (code: IUF) or C s2 d0 (code: IU)
Density		1,66 – 1,93
Glass amount in mass		65-75%
<b>Electrical properties</b>		
Electrical resistance (LW)	IEC 60234	By 1.58 kV/mm
Electrical resistance (CW)	IEC 60234	By 7.9 kV/mm
Resistance circle (indicates the size of transverse)		120 seconds
Dielectric constant 60Hz		5.2 (perpendicular)
<b>Storage time</b>		Unlimited

### Constructive profiles:

**Beam: 102x51x6,4 mm, 150x150x10 mm, 200x200x10 mm**

**Channel: 75x25x5 mm, 100x40x5 mm, 150x50x6 mm, 200x600x8 mm, 200x80x8 mm**

**Square tube: 44x6 mm, 50x6 mm, 60x4,5mm, 100x100x4 mm**

**Angle: 50x6,4 mm, 76,2x6,4 mm, 76,2x9,5 mm**

**Flat sheet 6 mm, 8 mm, 10 mm. Continuous deck (PLANK). Wall**

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