

GRP Box Section

GRP Boxed Section is a non-conductive, lightweight, corrosion-resistant profile engineered for demanding environments. Pultruded as a square hollow section, it can be used as a standalone profile or combined into an inter-sliding barrier system.

Manufactured from glass reinforced plastic (GRP), it resists oils, chemicals and salt water, making it suitable for both indoor and outdoor applications. The section cuts easily to size and installs with minimal tooling, offering a straightforward standalone solution or a component within a wider system.

Low-maintenance and built to withstand harsh conditions, GRP Boxed Section delivers long-term reliability wherever it's installed.

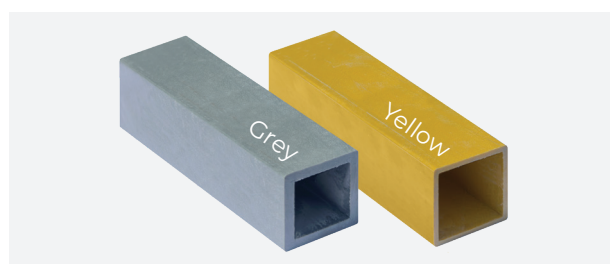
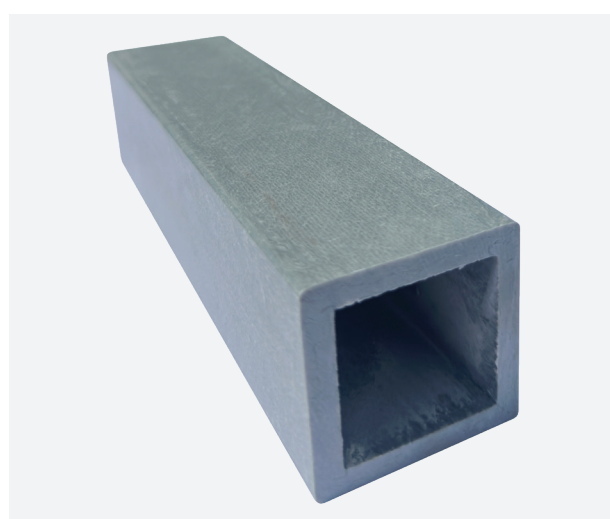
Features

- ◆ **Typical applications:** A perfect solution as a handrail, standard profile, or an inter-sliding profile on vehicles or machinery. Used within framing systems and structures of pedestrian walkways, industrial platforms, marine and offshore platforms, data centres and rail infrastructure.
- ◆ **Material:** GRP - Glass Reinforced Plastic, Isophthalic FR resin.
- ◆ **Cleaning:** Use of a stiff brush will normally be sufficient to remove everyday dirt and debris, and for more stubborn dirt, a mild detergent with warm water is often effective. A pressure washer on a low pressure setting can be used to clean the GRP.
- ◆ **Sustainability:** REACH compliant.

Suitable for
indoor and outdoor use



For more information about this product or, to place an order [click here](#)



Code	Metric	Thickness	Weight	Colour	RAL
GBPS385YL-1003-6000	38mm x 38mm x 6m	5mm	7.5kg	Yellow	1003
GBPS385GY-7001-6000	38mm x 38mm x 6m	5mm	7.5kg	Grey	7001
GBPS445YL-1003-6000	44mm x 44mm x 6m	5mm	8.9kg	Yellow	1003
GBPS5132YL-1003-6000	51mm x 51mm x 6m	3.2mm	7kg	Yellow	1003
GBPS5163GY-7001-6000	51mm x 51mm x 6m	6.3mm	12kg	Grey	7001
GBPS10063YL-1003-6000	100mm x 100mm x 6m	6.3mm	27kg	Yellow	1003

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V1.07.26

Get in touch

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GBPS10063GY-7001-6000	100mm x 100mm x 6m	6.3mm	27kg	Grey	7001

Please note, cutting tolerance +/- 3mm

Technical Specification

Chemical resistant: Yes, resistant to most chemicals, grease, and oils

Cut to length: Yes, can be cut to length

Dry area: Yes

Wet area: Yes

Oily and greasy area: Yes

Welding area: Yes

Environment: Suitable for indoor and outdoor use

Flame retardant: Yes

Non-conductive (Electrical): Yes

Non-conductive (HV Electrical): Yes

Product testing:

- ◆ Fire classification - EN 13501: Class B s1 d0 f
- ◆ Laboratory baseline material data:
 - ◆ Effective flexural modulus, E – 26 GPa
 - ◆ Tensile modulus – axial – 35 GPa
 - ◆ Flexural strength – axial - E = 26 GPa; flexural strength $\geq$ 340 MPa
 - ◆ Tensile strength – axial -35 GPa; tensile strength $\geq$ 380 MPa
 - ◆ Interlaminar shear strength – axial - $\geq$ 25 MPa
 - ◆ Interlaminar shear strength – transverse - $\geq$ 10 MPa
 - ◆ Service bending stress screening limit - 120 MPa
 - ◆ Density range - 1700 - 2000 kg/m³
 - ◆ Barcol hardness - >45
 - ◆ Water Absorption, 24h - $\leq$ 0.45%

Sustainability: REACH (Registration, Evaluation, Authorisation and Restrictions of Chemicals)

UV resistant: Yes

Cleaning: Using a stiff brush will normally be sufficient to remove everyday dirt and debris. For more stubborn dirt, wash with warm water and a mild detergent, or a pressure washer on a low-pressure setting can also be used

GRP Box Section

GRP Square Boxed Section

