包装与装柜 · Packing & Container Loading

FRP Grating Packing and Container Loading Guide

NANTONG ZEALL (ZeAllgrate) · founded 2004 · plant 20,000+ m² · 200+ staff · exported to 40+ countries · indicative figures for preliminary design; confirm against project calculation before ordering.

1. Standard panel and pack

Item	Value	Note
Standard panel size	1220 x 3660 mm	Cut-to-size on request
38 mm panel weight	~87 kg per 1220 x 3660 mm	19.5 kg/m² x ~4.47 m²
Bundle wrapping	PE film + angle boards	Edges protected
Pallet	Wooden pallet, 1200 x 1200 mm	ISPM-15 marked
Strapping	PET band, 4-6 straps per bundle	Vertical and horizontal

2. Indicating container loading

Container	Interior L x W x H	Max gross cargo	Indicating 38 mm panels / 20	Indicating 38 mm panels
20' GP	5.9 x 2.35 x 2.39 m	~21,000 kg	~240 panels (~1,073 m²)	—
40' GP	12.03 x 2.35 x 2.39 m	~26,000 kg	—	~480 panels (~2,145 m²)
40' HC	12.03 x 2.35 x 2.69 m	~26,000 kg	—	~560 panels (~2,500 m²)

Actual loading depends on cut sizes, mixed sections and resin; the figures above are planning numbers for standard 1220 x 3660 x 38 mm moulded panels only. Final loading plan is confirmed at PI (proforma invoice) stage.

3. Shipping terms

Item	Value
MOQ	10 m²
Lead time	12-36 working days (stock to production)
Exceptional cases	Oversize, custom colour, new die, special resin: lead time confirmed separately
Trade term	EXW / FOB Shanghai / CFR / CIF on request
Origin	Nantong, Jiangsu, China (20,000+ m² plant)

Appendix A — Multilingual glossary (EN / DE / ES / FR)

English	Deutsch (DE)	Español (ES)	Français (FR)
FRP / GRP grating	GFP-Gitterrost / GFK-Gitterrost	Rejilla PRFV	Caillebotis PRV
Fibreglass / fiberglass	Glasfaser / GFK	Fibra de vidrio	Fibre de verre
Moulded grating	Pressguss-Gitterrost	Rejilla moldeada	Caillebotis moulé
Pultruded grating	Pultrusions-Gitterrost	Rejilla pultruida	Caillebotis pultrudé
Resin	Harz	Resina	Résine
Isophthalic polyester	Isophthalsäure-Polyester	Poliéster isoftálico	Polyester isophtalique
Vinyl ester	Vinylester-Harz	Resina viniléster	Résine vinylester
Barcol hardness	Barcol-Härte	Dureza Barcol	Dureté Barcol
Load / deflection	Last / Durchbiegung	Carga / flecha	Charge / flèche
Span	Stützweite	Luz	Portée
Clip / fastener	Klammer / Befestiger	Abrazadera / fijación	Agrafe / fixation
Kick plate / toe board	Riffelblech / Fußleiste	Zócalo	Plinthe
Handrail / guardrail	Handlauf / Schutzgeländer	Pasamanos / barandilla	Garde-corps / main courante

DE = GFK (glasfaserverstärkter Kunststoff) · ES = PRFV (plástico reforzado con fibra de vidrio) · FR = PRV (plastique renforcé de fibres de verre).

Appendix B — How to order

Step	What to send us	What we return
1. Brief	Application, medium, temperature, span, load	Recommended build-up and resin
2. Drawing	Plan view, support layout, cut-outs	Cutting list and panel count
3. Confirm	Resin grade, colour, surface (smooth / concave / grit)	Pi with price and lead time
4. Production	Deposit received	Production, QA, packing
5. Shipment	Balance or LC	FOB Shanghai / CFR / CIF per agreed term

Commercial term	Value
Minimum order (MOQ)	10 m²
Standard lead time	12-36 working days (stock to production)
Exceptional lead time	Oversize, custom colour, new die, special resin — confirmed separately
Standard panel	1220 x 3660 mm; cut-to-size on diamond saw
Density	1.5-2.0 g/cm³ depending on resin and glass content
Barcol hardness	>= 40 on a sound panel
Quality system	GB/T19001-2000 idt ISO9001:2000 · reg. 01708Q11888R0S
Product test report	ASTM F3059 report 211122012SHF-001 (grating only)
Contact	sales@gratingfrp.com · www.gratingfrp.com · Nantong, China

We do not issue SGS load reports, ABS product design assessments, or named-customer case references without a written release. Any figure in this sheet is indicative for preliminary design and must be confirmed by a stamped project calculation before ordering.

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