

BFF **PRODUCT BROCHURE**

Trading



GRP GRATINGS & PROFILES

Glassfiber Reinforced Products

BFF Trading molded grating

BFF Trading molded grating is manufactured in an open, heated mold system. Continuous E-glass roving's are placed in the mold in alternating layers and completely wetted out with resin. This continuous process produces an integral, one piece construction which provides excellent corrosion resistance as well as bi-directional strength. There are a number of different molds available resulting in an extensive range of panel sizes, thickness and mesh patterns.

Industries

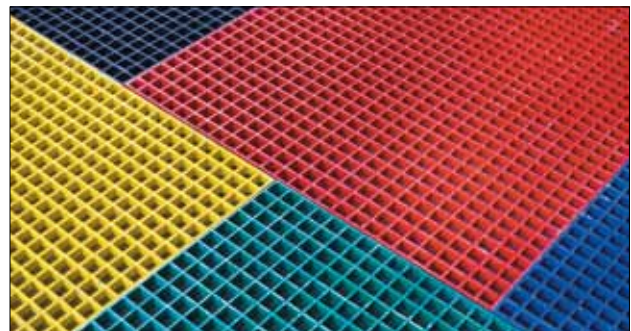
- chemical plant and metal finishing
- construction engineering
- traffic and transportation
- petrochemical & water engineering
- offshore
- food and beverage
- textile and electronic industry
- recreational industry & exhibitions

Applications

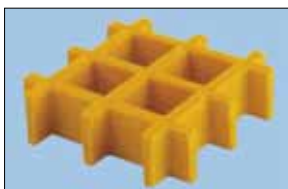
- anti-slip floor, stair tread, foot bridge
- operation platform, trench cover
- security and safety fence, handrail
- off-shore oil rig, moor shipyard, shipping deck
- ramp ladder, scaffold, railway footpath
- walls, ceilings
- decorational

Features

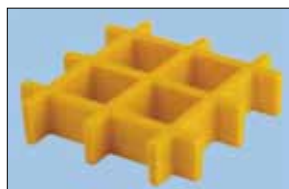
- sustainable, durable and maintenance free
- high loading ability
- non-slippery
- stainless and corrosion resistant
- resistant to most chemicals
- spark free and fire resistant
- lightweight
- customizable and easy to install
- various sizes and colors available



Surfaces



concave surface



smooth surface



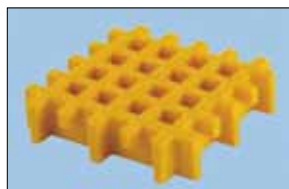
diamond top cover



gritted top cover



gritted surface



mini mesh surface



micro mesh surface



heavy duty

Resin system

Resin

Resin type	Resin base	Description	Corrosion resistance	Flame spread
OFR-25*	Ortho	Moderate corrosion resistance and fire retardant	Moderate	Class 1, 25 or less
IFR-25*	Isophthalic polyester	Industrial grade corrosion resistance and fire retardant	Very good	Class 1, 25 or less
VEFR-10*	Vinyl ester	Superior corrosion resistance and enhanced retardant	Excellent	Class 1, 10 or less
MP-5*	Phenolic resin	Low smoke and superior fire resistance	Very good	Class 1, 5 or less
O-CR	Ortho	Moderate corrosion resistance	Moderate	No
IFR-10	Isophthalic polyester	Industrial grade corrosion resistance and extra fire retardant	Very good	Class 1, 10 or less
IFGR-30	Isophthalic polyester	Food grade corrosion resistance and fire retardant	Very good	Class 1, 25 or less
VEFR-25	Vinyl ester	Superior corrosion resistance and retardant	Excellent	Class 1, 25 or less
Standard resin*				

Fiberglass type

Code	Roving type	Application situation
E	E-glass roving	high strength and high corrosion resistance requirement
C	C-glass roving	more economical than E-glass roving, has less strength but better acid resistance

Filling

Code	Roving type	Application situation
ATH	Aluminum hydroxide	flame retardant, smoke suppression, corrosion resistance situation
CAO	Calcium carbonate	more economical than ATH, suitable for no flame retardant requirement
PR	No filling	high corrosion resistance requirement situation



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