

FiberConcept[®]

DuroSystems[™]

GRP-Floor Systems

DuroSystems™

DuroGrate™ · DuroStep™ · DuroDeck™ · DuroGrid™ · DuroWalk™



DuroSystems™ floor systems of the new generation made of glass fibre reinforced plastics (GRP) combine safety and economy. They have been developed to suit diverse applications – easy and quick to install and highly durable for extra safety and walking comfort.

FiberConcept® offers a comprehensive range of GRP floor systems for diverse applications.

GRP floor systems – are cost-effective, permanently media resistant, anti-slip, highly stressable, smoke and fire resistant, insulating, easy to install, durable, and can be individually coloured.

Cost-effective

The use of GRP floor systems reduces the cost of assembly, maintenance and transport – secures your competitive advantage

Permanently media resistant and corrosion free

DuroSystems™ are permanently media resistant and corrosion free to acids and lyes – assures the economic life time

Anti-slip

The FiberConcept® GRP floor systems meet the demands for extreme and permanent slip resistance – certified by Institute for Occupational Safety

Suitable for heavy loads

Robust and reliable for both pedestrian and wheel traffic – loadability over a clear distance of 1 m, depending on type and construction, 2.5 kN/m² to 20 kN/m².

Smoke and fire resistant

FiberConcept® GRP floor systems are self-extinguishing and flame resistant to DIN 4102 B1-B2 and corresponding European class EN 13501 – ensure maximum fire safety

Insulating

All FiberConcept® products are antimagnetic and electrically insulating – no earthing required.

Can be coloured as required

On request, all systems can be coloured in RAL shades – for enhanced safety.

Easy to assemble

Low weight, easy to cut to size, easily to fit on site – saves time and reduces cost

Durable and maintenance-free

Long service life and maintenance free – thus eliminating maintenance-related downtimes.

Which GRP floor system is suitable for which application area?
When selecting the appropriate floor system, several factors have to be considered:

- > Application area (pedestrian or wheel traffic...)
- > Frequency of contact with corrosive media and type of media
- > Location (hygiene in the food industry, drinking water area...)
- > Load capacity depending on height and mesh size
- > Fire resistance
- > Anti-slip class
- > Ambient temperature



FiberConcept® identifies the most suitable floor system to match your application.

DuroSystems™ – GRP floor systems can be supplied, depending on the application, in different matrix systems:

Standard IPR

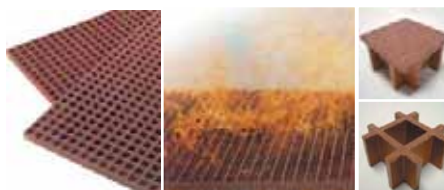
Polyester resin for multipurpose use

VER exclus

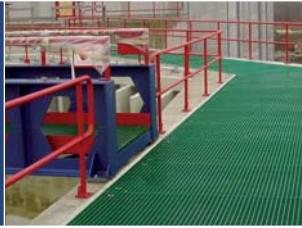
Vinylester resin for outstanding resistance to chemicals

PHR exclus fire

Phenolic resin for maximum fire safety



Ideally suited for:
Walkways and catwalks, chemical industry, stairways, offshore, covers, transportation and shipping, floor gratings, water and wastewater treatment, fences, marine and shipbuilding, facade gratings, food industry, protective gratings, refineries...



DuroSystems™

DuroGrate™

GRP gratings for all application areas

Product range available from stock

Type	Height	Mesh size	Weight	Panel size	Surface	Colour ex stock
DuroGrate 13	13 mm	38x38 mm	5,5 kg/m ²	1220x3660 mm	concave	grey RAL 7032
DuroGrate 13	13 mm	50x50 mm	5,3 kg/m ²	1220x3660 mm	concave	grey RAL 7032
DuroGrate 25	25 mm	38x38 mm	11 kg/m ²	1987x997 mm/1220x3660 mm	concave	grey RAL 7032
DuroGrate 30	30 mm	38x38 mm	15 kg/m ²	1987x997 mm/3012x997 mm/1220x3660 mm	concave	grey RAL 7032
DuroGrate 30 micro	30 mm	20x20 mm	17,5 kg/m ²	1007x3007 mm	concave	grey RAL 7032
DuroGrate 30 micro ECO	30 mm	26x26 mm	15,6 kg/m ²	995x3012 mm	gritted	grey RAL 7032
DuroGrate 30 micro exclus	30 mm	15x15 mm	18,9 kg/m ²	1007x3007 mm	gritted	grey RAL 7032
DuroGrate 38	38 mm	38x38 mm	18,5 kg/m ²	1987x997 mm/3012x997 mm/1220x3660 mm	concave	grey RAL 7032
DuroGrate 38 micro	38 mm	20x20 mm	23 kg/m ²	1007x3007 mm	concave	grey RAL 7032
DuroGrate 38 micro ECO	38 mm	26x26 mm	19,8 kg/m ²	995x3012 mm	gritted	grey RAL 7032
DuroGrate 38 micro exclus	38 mm	15x15 mm	23,9 kg/m ²	1007x3007 mm	gritted	grey RAL 7032
DuroGrate 50	50 mm	50x50 mm	21,50 kg/m ²	1220x3660 mm/1000x2000 mm	concave	grey RAL 7032
DuroGrate 50 micro	50 mm	25x25 mm	27 kg/m ²	1225x3665 mm	concave	grey RAL 7032
DuroGrate 50	50 mm	38x38 mm	34,8 kg/m ²	1220x2440 mm	concave	grey RAL 7032
DuroGrate 50 HL	50 mm	38x38 mm	42 kg/m ²	1225x2445 mm	gritted	grey RAL 7032
DuroGrate 60	60 mm	38x38 mm	42,5 kg/m ²	1220x2440 mm	concave	grey RAL 7032
DuroGrate 60 HL	60 mm	38x38 mm	52 kg/m ²	1225x2445 mm	gritted	grey RAL 7032

*HL= heavy load Matrix: Standard IPR; Colour: Standard RAL 7032, optionally as per RAL chart; Surface: Standard concave, optionally corundum gritted; Panel size: Standard ex stock, optionally manufactured or cut to size.



DuroSystems™

DuroStep™

GRP steps – Safety through reinforced and coloured edge

Product range available from stock

Type	Height	Mesh size	Weight	Panel size	Surface	Colour ex stock
DuroStep™ 30	30 mm	38x38 mm	4.5 kg/pc.	274x1000 mm	concave	grey RAL 7032
DuroStep™ 38	38 mm	38x38 mm	5.5 kg/pc.	274x1000 mm	concave	grey RAL 7032
DuroStep™ 50	50 mm	50x50 mm	8 kg/pc.	300x1220 mm	concave	grey RAL 7032

Matrix: Standard IPR; Colour: Standard RAL 7032, optionally as per RAL chart; Surface: Standard concave, optionally corundum gritted; Step size: Standard ex stock, optionally manufactured or cut to size.

Anti-slip surfaces



concave surfaces



gritted surfaces





DuroSystems™

DuroDeck™

GRP safety covers quick and easy to assembly on site

Product range available from stock

Type	Height	Design	Weight	Panel size	Surface	Colour ex stock
DuroDeck™ 30	30 mm	closed	19.5 kg/m ²	1987x997 mm / 1220x3660 mm	sanded	grey RAL 7032
DuroDeck™ 38	38mm	closed	26 kg/m ²	1987x997 mm / 1220x3660 mm	sanded	grey RAL 7032
DuroDeck™ 50	50mm	closed	28.5 kg/m ²	2000x1000 mm / 1220x3660 mm	sanded	grey RAL 7032

Matrix: Standard IPR; Colour: Standard RAL 7032, optionally as per RAL chart; Surface: Standard corundum gritted, optionally smooth

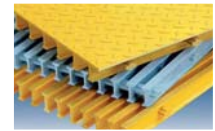
Panel size: standard ex stock, optionally manufactured or cut to size.



DuroSystems™

DuroGrid™

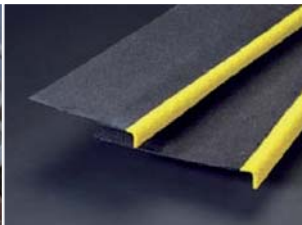
GRP profile gratings – the alternative for heavy loads at minimum height



Product range available from stock

Type	Height	Mesh size	Weight	Panel size	Surface	Colour ex stock
DuroGrid™ 25	25 mm	38x150 mm	15 kg/m ²	1220x2440 mm	sanded	grey RAL 7032
DuroGrid™ 38	38 mm	38x150 mm	17 kg/m ²	1220x2440 mm	sanded	grey RAL 7032
DuroGrid™ 50	50 mm	38x150 mm	20 kg/m ²	1220x2440 mm	sanded	grey RAL 7032

Matrix: Standard IPR; Colour: Standard RAL 7032, optionally as per RAL chart; Surface: Standard corundum gritted, optionally corrugated or closed; Panel size: Standard ex stock, optionally manufactured or cut to size.



DuroSystems™

DuroWalk™

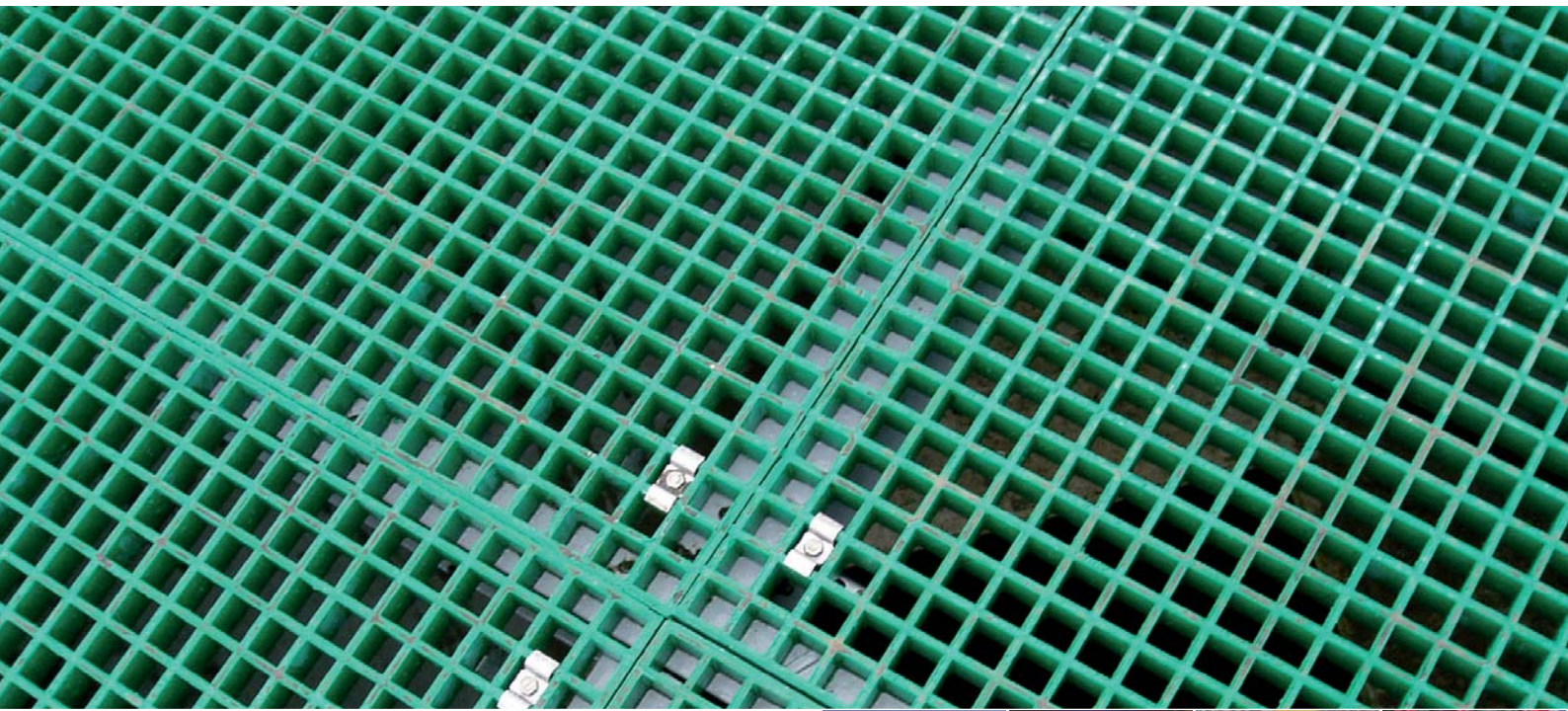
GRP safety floor panels – skid resistance on walkways, catwalks, stages, ramps, and stairs of all kinds



Product range available from stock

Type	Height	Weight	Panel size	Surface	Colour ex stock
DuroWalk™ Plate	3 mm	16 kg/pc.	1220x2440 mm	sanded	black
DuroWalk™ Step	3 mm	1.7 kg/pc.	1000x300 mm	sanded	black/yellow
DuroWalk™ Strip	3 mm	0.6 kg/pc.	1000x70 mm	sanded	yellow

Matrix: Standard IPR; Colour: Standard black/yellow, optionally as per RAL chart; Surface: Standard corundum gritted; Panel size: Standard ex stock, optionally manufactured or cut to size



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