



**ALPINA
GRATE**®

... for XXI century industry
www.alpinagate.eu

ALPINAGRATE®






has become a recognized leader in the field of Fiber Reinforced Plastics (FRP).

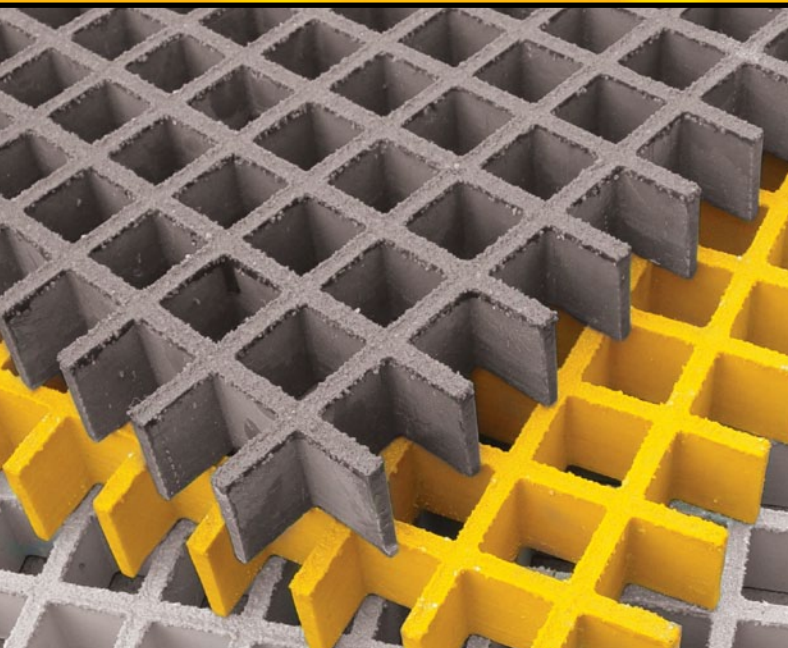
For many years the company has operated as a specialist providing solutions to industry and commercial using the latest resin systems available for the twenty first century.

Our company supply complete line of molded/pultruded FRP grating, such as: ordinary molded and pultruded grating, covered grating and conductive grating, phenolic grating, stair treads, stair tread covers and plates, other accessories, etc.



STANDARD TYPES Moulded FRP Grating by ALPINAGRATE®

-  **ECONOM STANDARD** - Orthophthalic Polyester resin. It is applied in corrosion medium.
-  **ECONOM NON FIRE** - Orthophthalic Polyester resin with a non-flammable component. Provides deboosting combustion and stability to influencing chemical agents.
-  **ISO NON FIRE** - Isophthalic Polyester resin with a non-flammable component, for applications in a hostile environment.
-  **FOOD-NON FIRE** - Isophthalic Polyester resin with a non-flammable component for a food-processing industry and animal industries.
-  **VINYL NON FIRE** - Vinyl Ester resin with a non-flammable component for application in a hostile environment.
-  **PHENOL NON FIRE** - Phenolic resin with a non-flammable component, which one provides a heat of exploitation, slows down combustion and has a low index of a smoke formation.



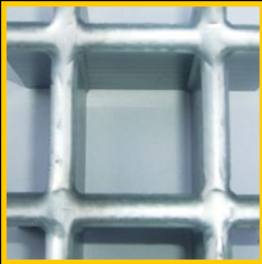
Panel Sizes				
	Height (mm)	Mesh Size (mm)	Standard Panel Size (mm)	Weight (kg/m ²)
1	26	38 x 38	4 038 x 1 000	12,5
2	30	38 x 38	4 038 x 1 000	15
3	30	38 x 38	3 660 x 1 220	15
4	30	38 x 38	4 046 x 1 525	19
5	30	19 x 19 minimesh	4 047 x 1 007	19
6	38	19 x 19 minimesh	4 047 x 1 247	21,9
7	38	38 x 38	3 660 x 1 220	19
8	38	38 x 38	4 038 x 1 000	19
9	38	38 x 38	4 046 x 1 525	19
10	50	50 x 50	1 225 x 3 665	22

Special Futures

ALPINAGRATE®

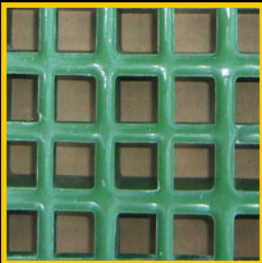
Smooth FRP Grating

Smooth Grating has the same characteristics as other FRP Grating except no anti-slip surface. These are widely used for decoration, fall protection, fences, machine guards etc.



Concave FRP Grating

Concave Grating is more suited to low foot traffic areas and is particularly suitable for hygiene applications where a high standard of slip resistance is needed and ease of cleaning is a consideration.



Mini Mesh FRP grating

Mini-mesh Grating has a 12 mm x 12 mm open mesh area. The smaller opening prevents objects as small as 13mm from falling through and complies with the European 15 mm ball falling test requirement. The smaller holes also offer smooth movement for small wheeled trolleys, wheelchairs etc.



Covered FRP Grating

All types and sizes of grating are available with covered tops. The covered top is typically 3 mm thick and is bonded to the grating panel after manufacture. This creates a strong but lightweight covered panel. All panels are available with gritted, chequer plate or smooth finish. Ideally suited to service trenches, access pits, gully covers, walkways and cable troughs etc.



Gritted FRP Grating

Gritted Grating ALPINAGRATE® has quartz crystal bonded to the top surface ensuring an extremely durable and slip resistant surface.

This type of grating has one of the highest degrees of slip resistance measured for a walking surface.



Conductive Top Grating

ALPINAGRATE® Gratings is specially formulated with a carbon black surface, eliminating hazardous static electricity when properly grounded. Available in all resin finishes, ALPINAGRATE® Gratings are primarily used in the hightech electronic industries, munitions and arsenal manufacturing plants and other spark sensitive environments where sophisticated equipment may be damaged due to static electricity. The specialized grating has an electrical resistance of less than 26 kilohms per 300mm while retaining other desirable characteristics of conventional FRP Moulded Grating.



Any Color Of Your Choice

The moulded-in color is made by even fixing of pigment and resin and will not fade or require painting.

The standard colors (ECO FR, ECO NFR: RAL 9006 silver, ECO STANDARD: RAL 7037 gray, ECO NFR: RAL 7040 gray, ISO NFR: RAL 6010 green, FOOD NFR: RAL 7035 light šedá, VINYL NFR: RAL 3020 red, RAL 7040 grey), or by your choice of RAL.

The Fresh Colors used not only enhance the working environment with their visual effect but can also improve working efficiency.

Staircase Stair Coverings and Stair Plates Other Accessories



VARIED APPLICATIONS

- ▶ Chemical & Petroleum
- ▶ Printing & Dyeing
- ▶ Marine Power
- ▶ Pharmaceutical
- ▶ Metallurgical
- ▶ Transportation
- ▶ Shipyard
- ▶ Decoration
- ▶ Refining
- ▶ Electronics
- ▶ Offshore
- ▶ Food and beverage
- ▶ Pulp & Paper
- ▶ Water and Waste Water Treatment

Detailed Usages

- ▶ (Offshore) Platforms
- ▶ Stair Treads
- ▶ Floorings
- ▶ Screens
- ▶ Wash Racks
- ▶ Battery Racks
- ▶ Bridges
- ▶ Walkway
- ▶ Trench Covers
- ▶ Pit Covers
- ▶ Tower Packing Supports
- ▶ Root
- ▶ Machinery Guards
- ▶ Ramps
- ▶ Cable Trough Covers



Advantages of Gratings

ALPINAGRATE®

- ▣ Corrosion and Chemical Resistant
- ▣ Maintenance Free
- ▣ Cost effectiveness
- ▣ High strength - to- weight ratio
- ▣ Impact resistance
- ▣ Safety
- ▣ Slip-resistant
- ▣ Ergonomic
- ▣ Fire resistance
- ▣ Life Span



Corrosion and Chemical Resistant

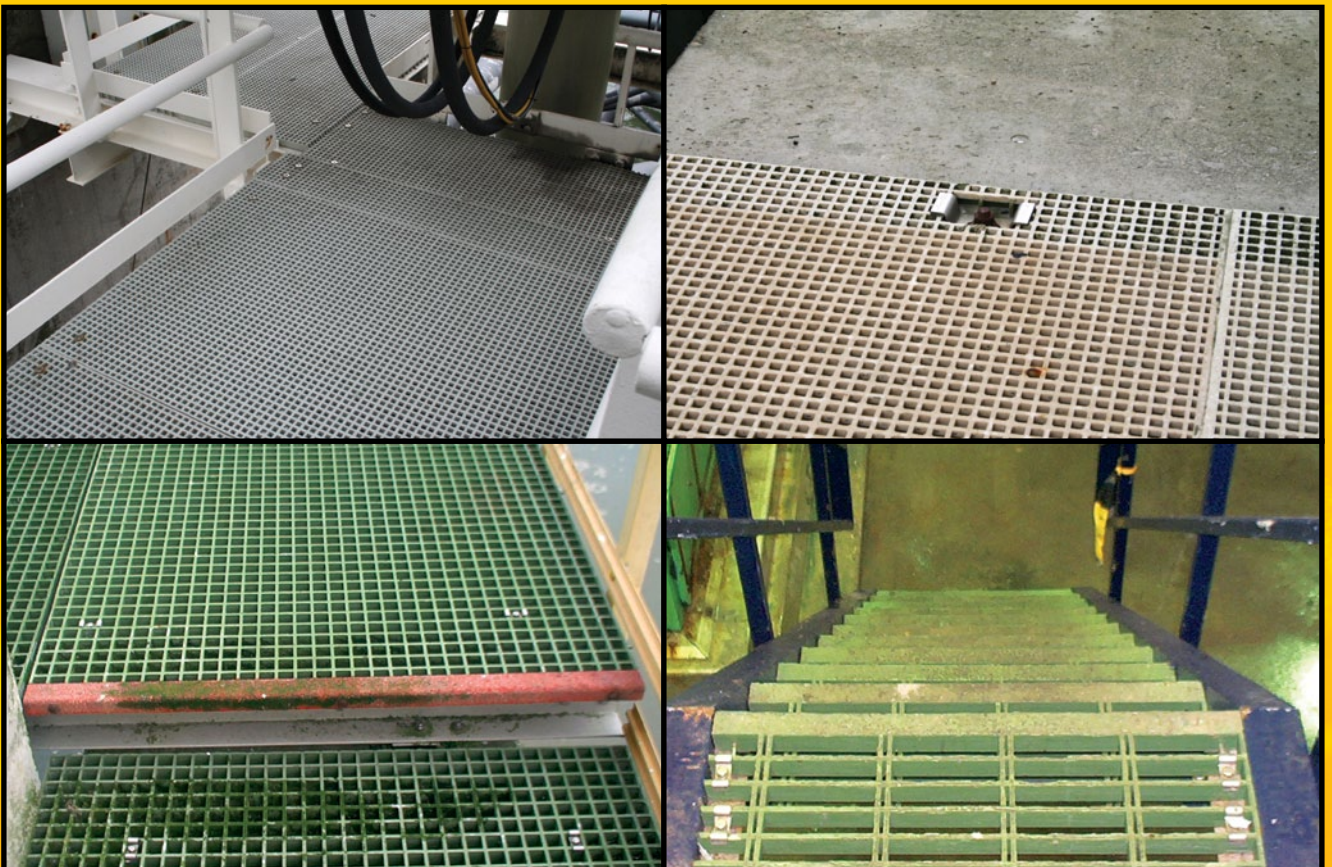
Corrosion is a major problem within industries such as chemical, steel, food and beverage, water and wastewater, power- the list goes on. ALPINAGRATE® is particularly designed to provide safe, long- lasting, economical and worry- free solutions in environments where chemicals and other corrosives attack metal, wood and similar materials. Depending on the environment, resins such as orthophthalic polyester, isophthalic polyester, vinylester or phenolic may be used in the construction of our ALPINAGRATE® products.

Maintenance Free

Install it and forget about it. ALPINAGRATE® is easy to clean. Its open mesh permits debris to fall through the grating panel preventing a hazardous build-up on the walking surface. It is corrosion resistant and the color remains fast due to its ultraviolet resistant properties.

ALPINAGRATE® guarantees the 50-year life of their products.

The composite gratings have any stronger signs of damage even after 10 years of use...



Cost effectiveness

Initial purchase cost of FRP Grating compares favorably with steel grating but the real saving is made on the superior life expectancy and zero maintenance costs. Also installation costs are usually less than that of steel grating.

High strength - to- weight ratio

ALPINAGRATE® is manufactured as a composite of continuous fiberglass strands and high quality resin. It is integrally constructed for strength, and is less than one- half the weight of steel grating allowing easy removal for access and installation with no heavy equipment and reduced manual handling risks. Properly installed, ALPINAGRATE® meets specified load requirements for steel and is more impact resistant than metal.

Impact resistance

The impact resistance of ALPINAGRATE® FRP allows repeated deflection without permanent deformation. A certain amount of deflection can occur with loading. Unlike metal grating fiberglass has a good memory, so once the object is removed the Fiberglass Grating will fully recover to its original position.

Safety

ALPINAGRATE® NON- CONDUCTIVE properties make it ideally suited for electrically hazardous locations, acting as an insulator. Its NON- MAGNETIC properties allow the grating to be used in sensitive installations where the inherent magnetic properties of metal grating will prove problematic and dangerous. NON- SPARKING ALPINAGRATE® is ideally suited for those installations where combustible gases may be present and accidental dropping of tools onto the steel grating may produce sparks.

Slip-resistant and Ergonomic

Slips and falls are a major hazard in many industries causing injuries and lost work days. ALPINAGRATE® is available with a concave or gritted surface, both offer outstanding slip resistance in wet and oily environments and have consistently reduced slips and falls in industrial facilities.

Employees experience fatigue after standing on solid concrete or heavy non-adjustable galvanized steel platforms all day. ALPINAGRATE® is an excellent solution to ease the strain on the back, feet and legs of workers. Its natural slight resiliency makes it comfortable to stand on for long periods of time thus reducing worker fatigue.





Distributor:

Manufacturing plant:



ALPINAGRATE I.t.d

Priemyselny areal (area), Strocin 150, Post code 089 01

Distr. Svidnik, Slovak republic

Phone: +421 57 381 10 20

E-mail: alpinagate@alpinagate.eu