

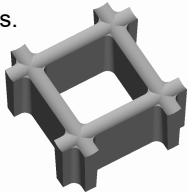
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Type : **INTERGRATE® G.R.P. MOULDED ISO-FR SERIES GRATING TYPE 30x38x38mm**

Material : Isophthalic fire retardant resin reinforced with continuous glass rovings. Moulded gratings with bearing bars in both directions.

Standard color : Green RAL 6010

Density : 1,5 – 2,0



Width [mm]	Length [mm]	Thickness [mm]	Mesh pitch [mm]	Opening [mm]	Open area [%]	Weight [kg / m ²]	Weight per panel [kg]
1220	3660	30	38x38	31x31	70	14,1	63,00

Standardization : Meets DIN24537-3

Tolerances :

Length, width	± 1 mm
Thickness	± 2 mm
Weight	± 5%
Warping	< 10mm / m ¹
Color deviation	Close to specified RAL-code.

Load capacity : Load deflection data based on walkway applications L/D = 100 (= 1 %), consult Fiberstruct deflection table for specific load data. Basic data at a span of 1000mm - concentrated load 340 kg - uniform distributed load 540 kg/m²

Glass / resin mix ratio : Approx. 30 / 70 % by weight.

Fire retardancy :

1. Self extinguishing according to ASTM E 84-05.
2. B2 according to DIN 4102 Teil 1
3. Fire classification according to EN 13501-1 = B_{fl} – s1

Operating temperature range : - 40 °C / 65 °C.

Weathering : For inside and outside applications (UV resistant). Report KPF 60/03.5 for DIBt on longterm resistancy to a harsh industrial environment

Environmental Approvals :

1. Non-hazardous according to DNV MTPO360 version 2007 Part 1
2. DNV Type Approval
3. ABS Design Assessment
4. TSUS certificate of product No. 00011/TSUS/P/2015

Others :

1. Not Electrical conductive, rel. conductivity 1.098 x 10¹⁷ Ω.mm².
2. Low thermal conductivity.
3. Voids, streaking and chip-outs according to Fiberstruct standards.
4. Meets REACH EU 1907/2006

Technical info:

Fixing material:

S30SM type

M30SM type

B30SM type

Availability: - Stainless steel AISI 304 (A2)
 - Stainless steel AISI 316 (A4)
 - Hot Dip Galvanized Steel

Surface finish:

Concave surface : The gratings have a concave surface to obtain slip resistancy. The slip resistancy meets R13 according to BGR 181 and DIN 51130.

Gritted surface : Optionally the gratings can be provided with a gritted surface. The slip resistancy also meets R13 according to BGR 181 and DIN 51130 for SiO₂ grit.