

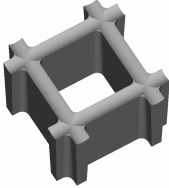
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Type : **INTERGRATE® G.R.P. MOULDED ISO-FR SERIES GRATING TYPE 38x38x38MM**

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



Standard panel sizes

Width [mm]	Length [mm]	Thickness [mm]	Mesh pitch [mm]	Opening [mm]	Open area [%]	Weight [kg / m ²]	Weight per panel [kg]
1220	3660	38	38x38	31x31	70	18,3	81,6

Standardization : Meets DIN24537-3

Tolerances : Length, width ± 1 mm
Thickness ± 2 mm
Weight ± 5%
Warping < 10mm / m¹
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 570 kg
- uniform distributed load 910 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

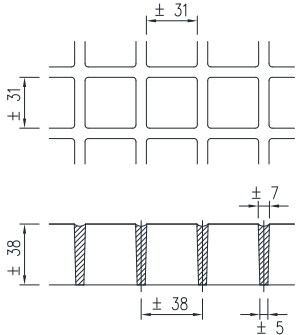
Operating temperature range : - 40 °C / 65 °C.

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

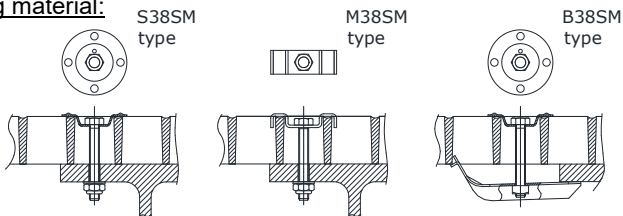
Environmental Approvals : Non-hazardous according to DNV MTPO360 version 2007 Part 1
1. DNV Type Approval
2. ABS Design Assessment
3. TSUS certificate of product No. 00011/TSUS/P/2015

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. Explosion-free Group I and IIA according EN13463-1 annex C.(DNV)
5. Meets REACH EU 1907/2006

Technical info:



Fixing material:



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.