

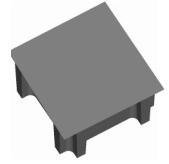
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Type : **INTERDECK® G.R.P. ISO-FR SERIES GRATINGS 38+3MM COVERED AND GRITTED**
Material : Isophthalic fire retardant resin reinforced with continuous glass rovings.
 Moulded gratings with bearing bars in both directions.

Standard color : Green RAL 6010

Other common colors available : Light-grey RAL 7035, grey RAL 7040, yellow RAL 1018 and 1003,
 blue RAL 5015, red RAL 3020.

Density : 1,5 – 2,0

Dimensions

Thickness [mm]				Weight [kg / m ²]		Total weight [kg / m ²]
grating	plate	grit	total thickness	Grating	Plate + grit	
38	2	1	41	18,3	6	24,3

Standardization : Fiberstruct

Tolerances : Length, width ± 2 mm for standard panel, ± 4 mm for cut to size
 Thickness ± 2 mm
 Weight ± 5%
 Warping The molding and curing of Fiberstruct HLU-gratings can produce internal stresses that may cause the panel to warp. In some cases, this warpage may increase when HLU-panels are cut into smaller pieces. In certain situations, this out-of-flat condition can result in tripping hazards and other problems. This is one of the reasons we strongly recommend the use of hold down methods, such as clips. In situations where hold-down procedures are not possible, we do not recommend HLU-panels.

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.

Fire retardancy : 1. Self extinguishing.
 2. According to ASTM E 84-05.
 Flame spread index (FSI): = 15
 Smoke developed index (SDI): = 500
 3. B2 according to DIN 4102 Teil 1
 4. Fire classification according to EN 13501-1 = B_{fl} – s1

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

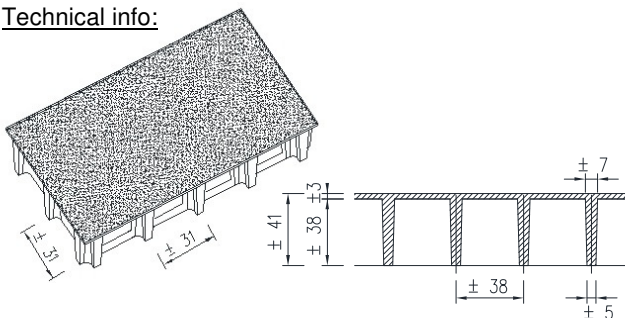
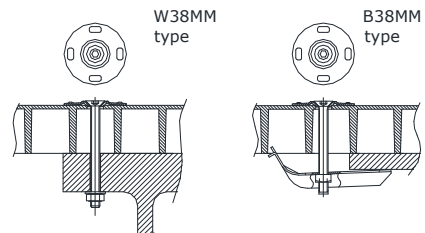
Weathering : For inside and outside applications (UV resistant).
 Report KPF 60/03.5 for DIBt on longterm resistancy to a harsh industrial environment

Gritted surface : Grit size 1.2 – 1.8mm silicon dioxide (SiO₂).

Slip resistancy : R13 according to BGR 181 and DIN 51130.

Environmental : Non-hazardous according to DNV MTPO360 version 2007 Part 1

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. Clipping - to control warping and to avoid tripping-hazard covered gratings has to be carefully clipped to the underlying structure.
 5. Meets REACH EU 1907/2006

Technical info:

Fixing material:

 Availability : - Stainless steel AISI 304 (A2)
 - Stainless steel AISI 316 (A4)