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**Type** INTERGRATE® G.R.P. MOULDED **ISO-FR SERIES** GRATING.

**Material** : Isophtalic fire retardant resin reinforced with continuous glass rovings.  
**Standard Color** : Green RAL 6010.  
**Other common colors available** : Light Grey RAL 7035, grey RAL 7040, yellow RAL 1018 and 1003, blue RAL 5015  
**Density** : 1,5 – 2.  
**Standard panel sizes**

Width [ mm ]	Length [ mm ]	Thickness [ mm ]	Mesh [ mm ]	Open area [ % ]	Weight [ kg / m <sup>2</sup> ]	Weight per panel [ kg ]
1225	4580	13	51x51	78	3,9	21,9
914	3048	25	38x38	70	12,2	34,0
1219	2438	25	38x38	70	12,2	36,5
1225	2980	30	38x38	70	14,1	51,5
1000	4037	30	38x38	70	14,1	57,0
1000	1990	30	19x19	48	17,0	34,0
1000	2980	30	19x19	48	17,0	51,0
1219	3658	30	19x19	48	17,0	75,8
914	3048	38	38x38	70	18,3	51,0
1219	2438	38	38x38	70	18,3	54,5
1524	3048	38	38x38	70	18,3	85,0
1524	4037	38	38x38	70	18,3	112,6
1000	3000	38	38x38	70	18,3	54,9
1000	4037	38	38x38	70	18,3	73,9
1219	3658	38	38x38	70	18,3	81,4
1645	2980	38	19x19	48	21,9	107,3
997	4047	38	19x19	48	21,9	88,4
1225	3665	38	19x19	48	21,9	98,3
1230	3665	51	51x51	72	23,7	107,0

**Standardization** : Meets DIN24537-3

**Tolerances** : Length, width ± 1 mm  
 Thickness ± 2 mm  
 Warping < 10 mm / m\* (\* Not valid for 13 mm thickness).  
 Weight ± 5%  
 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.

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

**Fire retardancy** : 1. Self extinguishing.  
 2. According to ASTM E 84-05.  
 Flame spread index (FSI): = 25  
 Smoke developed index (SDI): = 600  
 3. B2 according to DIN 4102 Teil 1

**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

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

**Environmental Approvals** : Non-hazardous according to DNV MTPO360 version 2007 Part 1  
 1. DNV Type Approval  
 2. ABS Design Assessment

**Others** : 1. Not Electrical conductive, rel. conductivity 1.098 x 10<sup>-17</sup> Ω.mm<sup>2</sup>.  
 2. Low thermal conductivity.  
 3. Voids, streaking and chip-outs according to Fiberstruct standards.  
 4. Explosion-free Group I and IIA according ENI346-1 annex C.(DNV)  
 5. Meets REACH EU 1907/2006

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