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

Material : Vinylester fire retardant, high corrosion resistant resin reinforced with continuous glass rovings.

Color : Orange RAL 2002.

Density : 1,5 – 2.

Standard panel sizes :

Width [mm]	Length [mm]	Thickness [mm]	Mesh [mm]	Open area [%]	Weight [kg / m ²]	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	1990	30	19x19	48	17,0	34,0
1000	2980	30	19x19	48	17,0	50,7
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
1000	2000	38	38x38	70	18,3	36,6
1000	3000	38	38x38	70	18,3	54,9
1000	4038	38	38x38	70	18,3	73,9
1219	3658	38	38x38	70	18,3	81,4
1645	2978	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
1219	3658	51	51x51	72	19,5	87,0

Standardization : Meets DIN24537-3

Tolerances :

- Length, width ± 1 mm
- Thickness ± 2 mm
- Warping < 10 mm / m² (* 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 84-00.
 - Flame spread index (FSI): = 25
 - Smoke developed index (SDI): = 800
3. M1 / F1 according to NFP 92-501 and NFF 16-101

Operating temperature range : - 40 °C / 82 °C.

Weathering : For inside and outside applications (UV resistant).

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

Approvals :

1. DNV Type Approval
2. ABS Design Assessment

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

Others :

1. Not electrical conductive.
2. Low thermal conductivity.
3. Voids, streaking and chip-outs according to Fiberstruct standards.
4. Meets REACH EU 1907/2006