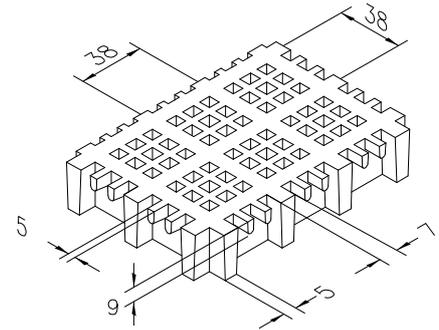




MOLDED GRATING

Grating type SCH 12/30_IFR

Mesh	mm 38 x 38	main
	mm 12 x 12	secondary
Clear span	mm 8 x 8	
Height	mm 30	
Bearing bar thickness	mm 7	upper part
	mm 5	bottom part
Color	Grey RAL 7004	



Raw materials	Polyester Resin
	Roving glass fiber type "E"
	Inorganic fillers without halogens

Standard panels	
mm 1220 x 3660	
mm 1000 x 4038	
Weight kg/m² 16	
tolerance	± mm 5 panel dimensions
	± mm 2 height

Surface	S	Smooth	<i>Antiskid level R10 V10 norm DIN E51130</i>
	M	Meniscus	<i>Antiskid level R13 V10 norm DIN E51130</i>
	A	Quartz	<i>Antiskid level R13 V10 norm DIN E51130</i>

Reaction to fire	Fire retardant	Spread ≤ 25 norm ASTM E84-98
		Level V-0 norm UL94 Vertical Burning Test

Ageing resistance	Ageing test made with UV lamp according to ASTM G154-06 and passed with 5 points on the gray range and without evident defects (test made with 1500 hours of exposure to 4 hours alternate cycles at a UV temperature of 60°C and 4 hours at a condensed temperature of 50°C irradiated by UVB 313 nm lamp, radiance 0,71 W/m ²)
	After the exposure to heat, cold and humidity cycles according to UNI EN ISO 9142/04 norm (n° 21 cycles type D3) there is no evidence of defects



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SCH12/30_IFR

20.05.2009

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AZIENDA CON SISTEMA DI GESTIONE PER LA QUALITÀ CERTIFICATO DA DNV

UNI EN ISO 9001:2000

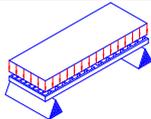
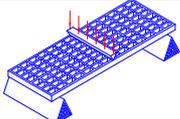
LOADS

MAXIMUM SUGGESTED LOADS

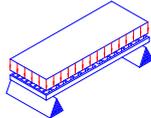
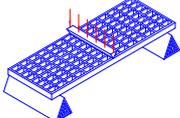
Type of support	On the line of the two ends of the panel
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Limits determined by	Deflection (load sagging)
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the maximum deflection admitted is 1/100 of the distance between the supports
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DISTRIBUTED LOAD		CONCENTRATED LOAD	
Distance between supports	Load with deflection equal to 1/100	Distance between supports	Load with deflection equal to 1/100
[cm]	[kg/m ²]	[cm]	[kg/m]
50	2250	50	700
70	800	70	350
90	350	90	200
110	200	110	100
Tutti i carichi inferiori a quelli indicati sono ammissibili			

Limits determined by	Admitted stresses (stress determined by the load)
the maximum admitted stress is 1/5 of the breakdown stress (safety coefficient is equal to 5 – the breakdown stress is 5 times the specified load)	

DISTRIBUTED LOAD		CONCENTRATED LOAD	
Distance between supports	Maximum admitted load	Distance between supports	Maximum load admitted
[cm]	[kg/m ²]	[cm]	[kg/m]
50	4650	50	1150
70	2350	70	800
90	1400	90	650
110	950	110	500
All lighter loads are admitted			

The information specified in the above table is to be considered as an average value and variations may reach a ±15%.

The above characteristics are meant as reference values for standard material. Even if they are not to be considered as guaranteed characteristics they are based on our experience and are supplied in good faith.



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