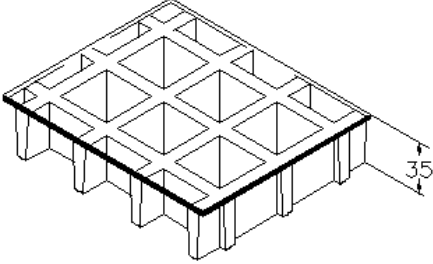


SCH 40/30C_ISO

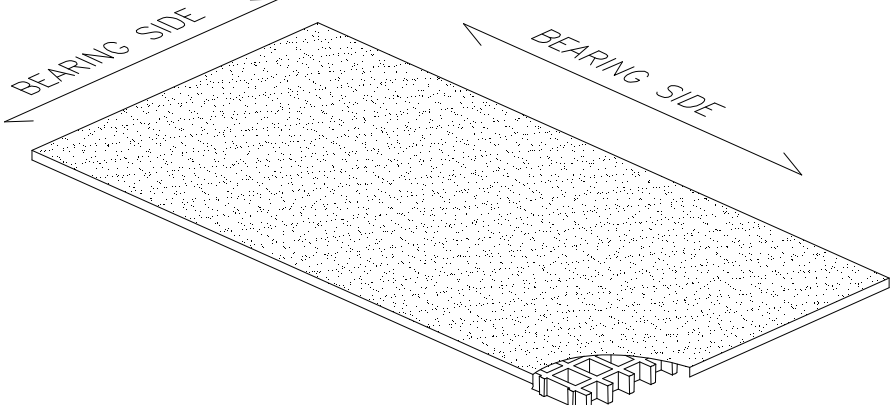
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MOLDED GRATINGS

Mesh	mm 40 x 40	
Thickness	mm 35	
Cover thickness	mm 5	
Bearing bar thickness	mm 7 upper part	
	mm 5 bottom part	
Color	Translucent green	

Raw materials	ISOPHTHALIC Polyester Resin	
	Roving glass fiber + Mat and Woven Fabric type "E"	
	Without inorganic fillers	

Resin type	Modulus of elasticity	Ultimate stress
ISO	12250 MPa	250 MPa

Standard panels				
mm 1000 x 2000				
mm 1200 x 3000				
Weight kg/m² 18	<table border="1"> <tr> <td rowspan="2">tolerance</td> <td>± mm 5 panel dimensions</td> </tr> <tr> <td>± mm 2 height</td> </tr> </table>	tolerance	± mm 5 panel dimensions	± mm 2 height
tolerance			± mm 5 panel dimensions	
	± mm 2 height			

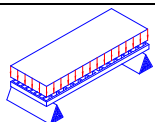
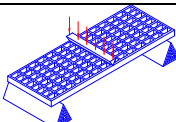
Surface	A	Quartz	Antiskid level R13 V4 norm DIN 51130
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Ageing resistance	Ageing test made with UV lamp according to ASTM G154-06 and passed with 5 points on the gray range and without evident defects (test made with 1500 hours of exposure to 4 hours 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/m²)
	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

LOADS

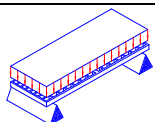
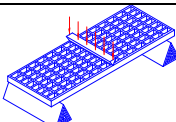
MAXIMUM SUGGESTED LOADS

Type of support	On the line of the two ends of the panel
Limits determined by	Deflection (load sagging)
the maximum deflection admitted , is 1/200 of the distance between the supports	
According to the standard DIN 24537-3 deviation due to the load may be no more than 1/200 of the land width and the difference in height between neighbouring joints between loaded and unloaded floor coverings may be no more than 4 mm.	

DISTIBUTED LOAD			CONCENTRATED LOAD		
	Distance between supports [cm]	Load with deflection equal to 1/200 [kg/m ²]		Load with deflection equal to 1/100	Distance between supports [cm]
50	4150	8350	50	1300	2600
70	1500	3050	70	650	1300
90	700	1400	90	400	800
110	350	750	110	250	500

All lighter loads are admitted

Limits determined by	Admitted stresses (stress determined by the load)
the maximum admitted stress is 1/5 of the ultimate stress (safety factor is equal to 0.20 – the ultimate stress is 5 times the specified load)	

DISTIBUTED LOAD			CONCENTRATED LOAD		
	Distance between supports [cm]	Maximum admitted load [kg/m ²]		Distance between supports [cm]	Maximum admitted load [kg/m]
50	7350	1800	50	1800	
70	3750	1300	70	1300	
90	2250	1000	90	1000	
110	1500	800	110	800	

All lighter loads are admitted

- The above characteristics are meant as reference values for standard material in ambient working temperature. Even if they are not to be considered as guaranteed characteristics they are based on our experience and are supplied in good faith.
- According to the standard DIN 24537-3 the conversion safety factor should be 0.75 for internal environmental exposure conditions, 0.65 for external exposure conditions, and 0.50 for aggressive exposure conditions.
- No matter which are the exposure conditions, chemical resistance must be always verified by contacting M.M.technical department.
- In case of heavy duty load compressive strength must be verified.