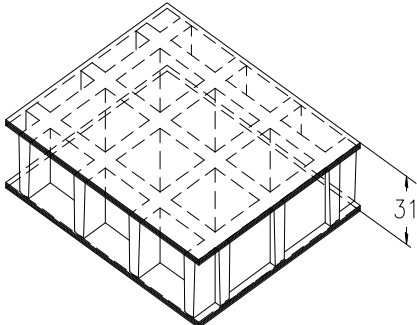


SCH 38/25DC\_CFR

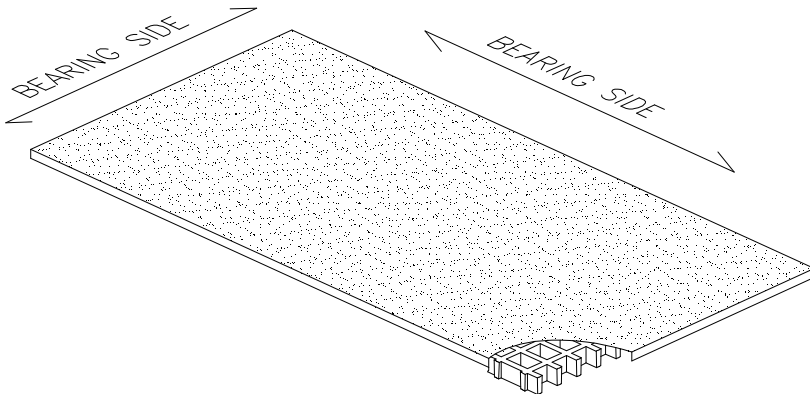
06.05.2011 - Rev. 4

**MOLDED GRATINGS**

<b>Mesh</b>	mm 38 x 38	
<b>Thickness</b>	mm 31	
<b>Cover thickness</b>	mm 3 upper cover	
	mm 3 bottom cover	
<b>Bearing bar thickness</b>	mm 7 upper part	
	mm 5 bottom part	
<b>Color</b>	Black	

<b>Raw materials</b>	<b>Polyester Resin</b>
	<b>Roving glass fiber + Mat and Woven Fabric type "E"</b>
	<b>Inorganic fillers without halogens + Carbon black conductive powder</b>

<b>Resin type</b>	<b>Modulus of elasticity</b>	<b>Ultimate stress</b>
CFR	15000 MPa	130 MPa

<b>Standard panels</b>	
mm 1000 x 2000	
mm 1000 x 4038	
mm 1220 x 3660	
<b>Weight kg/m² 25</b>	
<b>tolerance</b>	± mm 5 panel dimensions
	± mm 2 height

<b>Surface</b>	A	<b>Quartz</b>	<b>Antiskid level R13 V4 norm DIN 51130</b>
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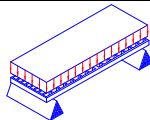
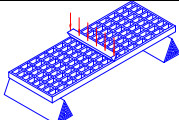
<b>Reaction to fire</b>	<b>Fire retardant</b>	<b>Spread ≤ 25 norm ASTM E84-98</b>
		<b>ASTM D635 Elapsed time and burned length &lt; 25 mm</b>

<b>Surface and Volume electrical resistivity. Dielectric strength</b>	<b>Excellent Conductivity</b>	<b>EN 61340-2.3 Par. 8.1 and 8.2 – IEC 61340-4.1 Par. 5.1.2 ref. ISO 1957 – IEC 61340-4.5 - ASTM D149-97a</b>
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## LOADS

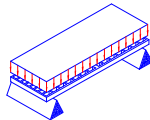
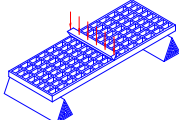
### MAXIMUM SUGGESTED LOADS

Type of support	<b>On the line of the two ends of the panel</b>
Limits determined by	<b>Deflection</b> (load sagging)
the <b>maximum deflection admitted</b> , 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 <sup>2</sup> ]		Load with deflection equal to 1/100	Distance between supports [cm]	Load with deflection equal to 1/200 [cm]
	30	30300	60650	30	5650	11350
	50	6550	13100	50	2000	4050
	70	2350	4750	70	1000	2050
	90	1100	2200	90	600	1250

All lighter loads are admitted

Limits determined by	<b>Admitted stresses</b> (stress determined by the load)
the <b>maximum admitted stress</b> 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 <sup>2</sup> ]		Distance between supports [cm]	Maximum admitted load [kg/m]
	30	21200	30	3150	
	50	7600	50	1900	
	70	3850	70	1350	
	90	2350	90	1050	

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.