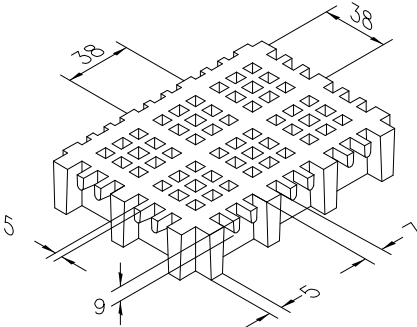


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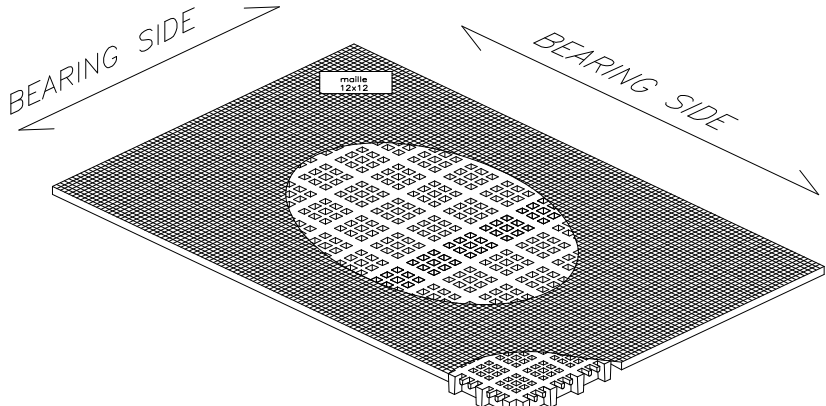
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MOLDED GRATINGS

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	Black	

Raw materials	Polyester Resin
	Roving glass fiber type "E"
	Inorganic fillers without halogens + Carbon black conductive powder

Resin type	Modulus of elasticity	Ultimate stress
CFR	15000 MPa	325 MPa

Standard panels	
mm 1220 x 3660	
mm 1000 x 4038	
Weight kg/m² 16	
tolerance	

Surface	M	Meniscus	Antiskid level R13 V10 norm DIN 51130
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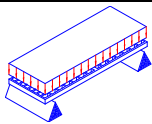
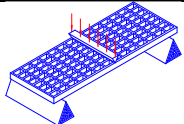
Reaction to fire	Fire retardant	Spread ≤ 25 norm ASTM E84-98
		ASTM D635 Elapsed time and burned length < 25 mm

Surface and Volume electrical resistivity. Dielectric strength	Excellent Conductivity	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
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LOADS

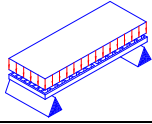
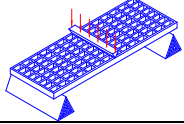
MAXIMUM SUGGESTED LOADS

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.	

DISTRIBUTED LOAD			CONCENTRATED LOAD		
					
Distance between supports	Load with deflection equal to 1/200	Load with deflection equal to 1/100	Distance between supports	Load with deflection equal to 1/200	Load with deflection equal to 1/100
[cm]	[kg/m ²]		[cm]	[kg/m]	
50	2200	4400	50	650	1350
70	800	1600	70	350	700
90	350	750	90	200	400
110	200	400	110	100	250

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)	

DISTRIBUTED LOAD		CONCENTRATED LOAD		
				
Distance between supports	Maximum admitted load		Distance between supports	Maximum admitted load
[cm]	[kg/m ²]		[cm]	[kg/m]
50	5350		50	1300
70	2700		70	950
90	1650		90	700
110	1100		110	600

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.