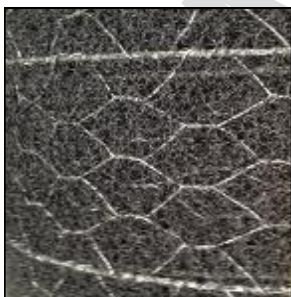


MACMAT® HS
HIGH PERFORMANCE STEEL REINFORCED GEOMATS

MacMat® HS is the latest generation of high performance geomat made from the extrusion of a polypropylene geomat on to Maccaferri Steelgrid®. The reinforcing hexagonal steel wire mesh has mechanical characteristics greater than those in EN 10223-3. The wire is protected with a Zn-Al5% coating in accordance with EN 10244-2, Class A. The galvanised wire is also available with an extruded polymer coating for additional protection.

The mechanical performances of the product in terms of tensile strength and puncture resistance are the same as Steelgrid® System.

MacMat®		MO 8127GN	30 8127GN	50 8127GN	100 8127GN	MO 8127G0	30 8127G0	50 8127G0	100 8127G0
Geomat									
Polymer		POLYPROPYLENE							
Mass per unit area (EN ISO 9864)	g/m ²	450 (±30)							
Melting point	°C	150							
Density	kg/m ³	900							
UV Resistance		STABILIZED							
Reinforcement									
Type		Double twisted woven steel wire mesh heavily Galmac coated				Double twisted woven steel wire mesh heavily Galmac coated with polymer protective layer			
Mesh type		8X10							
Wire diameter (int./ ext.)	mm	2.7				2.7/3.7			
Wire Rope (int./ ext.)	mm	8				6/8			
Nominal polymeric coating thickness of wire	mm	Not present				0.5			
Mechanical Properties Composite									
Longitudinal tensile strength (mean value)	kN/m	55 ± 5	180 ± 10	130 ± 7	83 ± 5	55 ± 5	120 ± 10	90 ± 7	75 ± 5
Ultimate punching force	kN	70 ± 5	155 ± 12	125 ± 12	90 ± 8	70 ± 5	135 ± 12	110 ± 10	80 ± 10
Nominal Physical Properties Composite									
Voids index	%	>90							
Nominal thickness (EN ISO 9863-1)	mm	12							
Geomat colour (*)		BLACK							
Roll length (**)	m	25							
Roll width (***)	m	2.00	1.85	1.85	2.00	2.00	1.85	1.85	2.00
Roll area	m ²	50	46.25	46.25	50	50	46.25	46.25	50



NOTE
 (*) Brown colour available on request
 (**) Tolerance -0 +1%
 (***) Tolerance ± 5%

ETA n. 16/0758



For the optimisation and improvement process of the technical characteristics of the products, the producer reserves the right to modify standards and characteristics of the product without warning. The information contained herein is to the best of our knowledge accurate, but since the circumstances and conditions in which it may be used are beyond our control, we do not accept any liability for any loss or damage, however arising, which results directly or indirectly from the use of such information nor do we offer any warranty or immunity against patent infringement. Specifiers are requested to check the validity of the specification they are using.