MACMAT® HS
## HIGH PERFORMANCE STEEL REINFORCED GEOMATS

MacMat® HS is the next-generation of high performance geomats, combining a 3-dimensional matrix polymeric geomat reinforced with Maccaferri's **Steelgrid®** system. It is used for demanding slope face stabilisation applications which require a combination of erosion protection and surficial stabilisation. The reinforcing hexagonal steel wire mesh has mechanical performance characteristics that exceed those recommended in EN 10223-3. The wire is heavily galvanised with Zn-Al5% in accordance with 10244-2, Class A. The galvanised wire and reinforcing cables are also available with an additional polymeric coating. Mechanical performance of the product (tensile strength, puncture resistance) are the same as Maccaferri Steelgrid®.

MacMat®		MO 8127GN	HR30 8127GN	HR100 8127GN	MO 8127G0	HR30 8127G0	HR100 8127G0
Geomat properties							
Polymer		Polypropylene					
Mass per unit area (EN ISO 9864)	g/m²	600					
Melting point	°C	150					
Density	kg/m³	900					
UV resistance		Stabilized					
Reinforcement properties							
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		
Nominal polymeric coating thickness	mm	Not present			0.5		
Mechanical properties composite							
Mechanical strength (length)	kN/m	50	177	80	50	119	73
Ultimate punching force	kN/m	67	149	85	67	125	74
Nominal physical properties composite							
Mass per unit area (EN ISO 9864)	g/m²	2,000			2,280		
Voids index	%	>90					
Nominal thickness (EN ISO 9863-1)	mm	12					
Geomat colour (*)		Black					
Roll length (**)	m	25					
Roll width (***)	m	2					
Roll area	m²	50					

CE

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1301-CPD-0893
ETA - 13/0524

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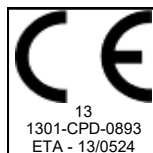
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