

ERPlastics BV SP MATS & MEGAMATS

SUSTAINABLE

LONG LIFE

LOW COST

SP Mats and Megamats are new generation of environmentally friendly and economically advantageous boards which is made from Silicopolymer that combines the functional advantages of steel and other plastic boards.



GENERAL SPECIFICATIONS		
Type	RP20 (Mats)	RP80 (Megamats)
Dimensions	100X300X2 cm	100X300X8 cm
Weight	56 kg	200 kg
Temp Range	- 40°C - +70°C	
Burn Index	B1	
Color	Black	
Material	PE Base Composite	

- There is no risk of theft as in Steel Boards.
- Resistant to water, petroleum and all kinds of chemicals, does not rot and rust.
- Lighter than steel boards thus unlike like steel boards which require crane SP Mats can be manually unloaded from trucks and laid in ground.
- Price level is very low compared to steel other plastic boards and can be produced in any desired logo and text.
- SP Mats and Megamats are more durable, indestructible, resistant against impact and long life compared to steel or other plastic which is a very important factor in construction and agricultural areas where a lot of building machinery are working. Resistant to all kinds of load shocks and as it has high modulus of elasticity does not break easily .



Applications :

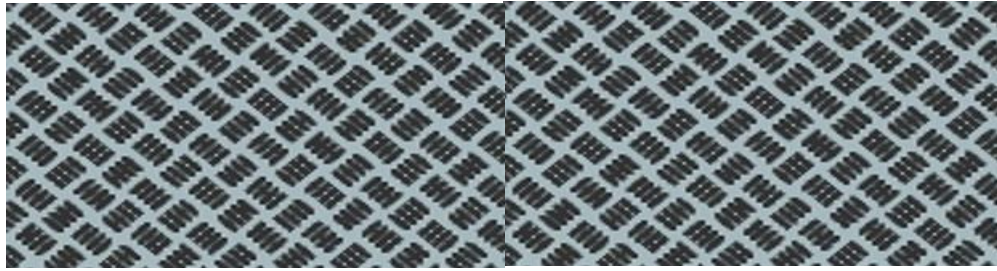
- Coverings for Construction sites, Agricultural lands, Warehouse floorings and Stadiums / Arenas floorings during events.
- Modular temporary Roads and Pavements.
- Can easily be applied as Tent Bases in camps.
- Modular Helicopter field.
- Rig Mats.



DOUBLE SIDED RUGGED - TRACTION SURFACE

VEHICLE (HIGH TEXTURE)

PEDESTRIAN (LOW TEXTURE)



Physical & Mechanical Properties of Silicopolymer Mats

Property	Standard	Units	Result
Density	ISO 1183-2	g/cm ³	0,900– 1,200
Water Absorption	ISO 62	%	0,06
Surface Hardness	ISO 59	Shore D	62
Tensile Strength	ISO 527	MPa	21,9
Elongation at Break	ISO 527	%	5,3
Impact Resistance	ISO 179	kJ/m ²	8,55
Bending Resistance	ISO 178	MPa	No Break
Compression(Pressure)Resistance	ISO 604	MPa	> 58
Impact Elasticity	ISO 4662	%	15
Heat Transfer Coefficient	ISO 8302	W/m.K	0,18
Electric Resistivity	ISO 257	MΩm	7,5
Melting Point	ISO 11357	C	121

Chemical Resistance of Silicopolymer Materials

Chemicals	Very Good	Good	Average	Bad
Mineral Oil	X			
Acetone	X			
Acetic Acid	X			
Ammoniac			X	
Detergents		X		
Ethyl Alcohol		X		
Methyl Alcohol		X		
Glycerine	X			
Toluene		X		
Sodium Hydroxide			X	
Hydrochloric Acid	X			
Sulphuric Acid		X		
Sodium Hypochlorite		X		

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