

DATASHEET

DAN-Board

Flex

DAN-Board Flex is a double-sided ground protection mat made from 100% recycled LDPE plastic. Thanks to its structure on both sides, the mat can be flipped and used for various types of traffic, which also provides improved stability on uneven terrain. The patterned underside ensures better grip on the ground, increasing slip resistance on wet, muddy, or sloped surfaces.



HIGH QUALITY

The driving plates can withstand heavy loads, are slip-resistant, offer long-lasting durability, and are resistant to both liquids and chemicals.



VERSATILITY

A double-sided ground protection mat provides even more application possibilities. The front side is ideal for light traffic, while the back side is designed for heavier traffic.



WIDE SELECTION

Our ground protection mats are available in various standard sizes and thicknesses. Logos, handles, and holes can be customized to meet specific requirements.

The driving plates can be delivered with your own logo printed directly on the front.

Additionally, we offer transport boxes and connectors for the plates, making them easy to transport and assemble.

Standard placements of handles and holes.



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Material	Recycled plastic. Type: LDPE
Delivery method / Application	Mats / Ground protection mats
Standard surface	Structure 2 mm, structure 4 mm
Machining	Sawing, drilling, milling, shaping, welding

Mechanical properties (at 23°)	DIN EN ISO	Units	
Density	1183	g/cm ³	0,94
Tensile stress	527	MPa	12
Tensile strength	527	MPa	7
Elongation at break	527	%	140
Tensile E-Modul	527	MPa	450
Flexural modulus	178	MPa	500
Impact resistance	179-1/1eU	KJ/m ²	No breaks
Abrasion resistance (at 1000 g)	ASTM-D-4060-10	Wear index	Approx. 45

Thermal properties		Units	
Min./max. usage temp.		°C	-40 to 70
Linear thermal expansion	DIN EN ISO 11359	mm/(m•10°C)	1,8

Chemical and physical properties		
Fire classification	EN 13501-1:2018	Efl
Products are generally highly resistant to acids, alkalis and solvents.		

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Tolerances

Length	-0%	+2%
Width	-0%	+2%
Thickness	-0,3 mm	+0,3 mm

Tolerances are based on boards cooled to approx. 20 °C. Deviation between diagonals 1 and 2: ± 15 mm.

Load-bearing

mm	Unpaved wet	Unpaved dry	Paved
16	7,5 ton	15 ton	30 ton
20	10 ton	25 ton	45 ton
24	12 ton	27 ton	50 ton

All data regarding load-bearing capacity depends on factors such as temperature, soil composition, soil bearing capacity and contact areas. The numbers indicate minimum load-bearing capacity.

All figures are approximate and may vary depending on external factors.