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Rev. 1/2018

REFO SPORT 15 S

LABORATORY
INTERNAL TEST REPORT

Plate in agglomerate foam, drainage system, shock pad underlay 15 mm - Medium Density

Technical specifications

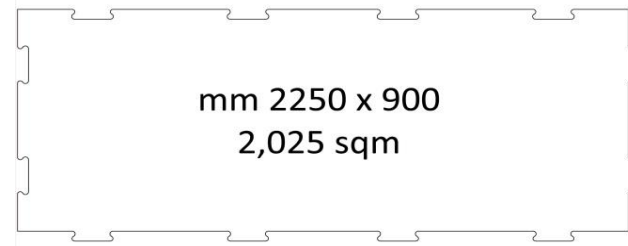
REFO SPORT 15 S is used for playgrounds, football fields and green areas



Measure drainage holes

REFO SPORT 15 S is supplied in plate and rolls

Measures each plate: **0,90 x 2,25 (puzzle form)**
Sq m each plate: **2,025 sqm**



Thickness	15.3	mm	ISO 1923
Mass per Unit area m ²	1,91	Kg/m ²	
Density	120.10	Kg/m ³	ISO 845
Shock Absorption	57	%	

Compression stress strenght	≥ 245N/4.9 Without permanent deformation	No permanent deformation	± 1N	
Tensile strenght		0.40	Mpa	ISO 1798
Resistance to tearing		137	N	DIN 53 507
Elongation at break		33.5	%	ISO 1798
Compression set	25%, 30', 23°C	9.11	%	ISO 1856
	25%, 22h, 23°C	3.36		
Compression set	50%, 30', 23°C	22.06	%	ISO 1856
	50%, 22h, 23°C	7.13		
Thermal Conducivity		0.0439	W/mK	
		0.0395	Kcal/mh°C	
Thermal Stability		125	°C	ISO 2796
Permeability of the product		4.885	mm/h	
Vertical drainage	≥ 360 mm/h	16.310	mm/h	

The test results of this report relate only to the sample tested

N°: 2018/1

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operator E.L.

DURABILITY

REFO SPORT 15 S consists of thermal bonded (closed-celled) cross-linked Polyethylene foam (from non-contaminated industrial waste) with a predicted durability (according ISO/TR 13434) for a minimum of 100 years but the normal warranty is tied to the use of the turf.

based on microbiological resistance (according EN 12225) - resistance to: weathering (according EN 12224) - oxidation (according EN 13438) - acids & bases (according EN 14030)

The performance characteristics of **REFO SPORT 15 S** are hardly effected by simulated (mechanical) wear.

based on stability after 65,000 Lisport cycli (when combined with a non-infill artificial grass)

The (dimensional) characteristics of **REFO SPORT 15 S** are hardly effected by simulated aging.

based on stability after hot water and hot air (according EN 13744 a nd EN 13817)

This specification is based on (independent) Laboratory measurements and the overall knowledge of APETEK SRL (at the time of revision).

Additional information (e.g. additional characteristics, specif laboratory reports or statistical analysis) is available upon request.

APETEK SRL reserves itself the right to change this specification and/or product (without notice)