



APETEK SRL
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Rev. 1/2018

REFO SPORT 12 ND
 Drainage only on the perimeter of the plates

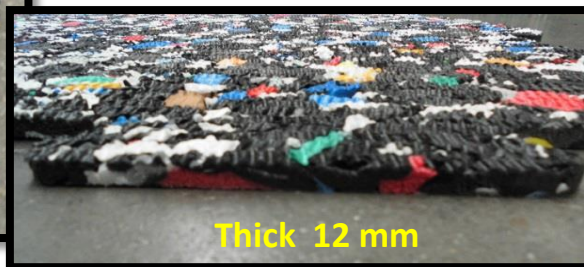
TECHNICAL SPECIFICATION

REFO SPORT 12 ND Specific for Hockey, indoor applications, MUGA

CHARACTERISTICS

Physicals

Thickness at kPa load	12,5	mm	EN 1969:2000
Mass for unit area	900	gr/m ²	EN 430:1994
Tensile Strength of Shockpad	Unaged	0.45	Mpa
	After hot air ageing	0.42	MPa



Thick 12 mm

REFO SPORT 12 ND Is supplied in plates
Measures each plate: **0,90 x 2,25 (puzzle form)**
Sqm each plate: **2,025 sqm**



Performance*

* Between channels

Force Reduction	46	%	Advanced Artificial Athlete (FIFA VERSION)
Mass for unit area	Between 20 to 50	%	Advanced Artificial Athlete (FIFA VERSION)
Vertical Deformation	6,3	mm	Advanced Artificial Athlete (FIFA VERSION)
Dimensional stability	0,35	%	DIN53 431
Resistance to compression	without permanent deformation		± 1N

Drainage and isolation

Water Infiltration Rate (I _A)	≥ 360	mm/h	EN 12616:2013
Thermic conductivity	0.0380	W/m.K	EN 12667

DURABILITY

REFO SPORT 12 ND consists of thermal bonded (closed-celled) cross-linked Polyethene 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 12 ND** 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 12 ND** are hardly effected by simulated aging.

based on stability after hot water and hot air (according EN 13744 and 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.

GUARANTEE

All APETEK Products are guaranteed for **25 years in normal condition** (except specific products out of our official range)