



APETEK SRL
Corso italia, 19 24040 Osio Sopra (Bg)
Tel. +39 (0) 35 4 942 201 - Fax +39 (0) 35 49 97 158
info@apetek.net - www.apetek.net

Rev. 1/2018

REFO SPORT 16 C S *

Drilled and grooved - Horizontal and vertical drainage

TECHNICAL SPECIFICATION

REFO SPORT 16 C S meets, in specific field constructions, the specifications of the international sports associations of Hockey, football, MUGA and soccer (FIFA requirements) etc.

CHARACTERISTICS

Physical

Thickness at kPa load	16	mm	EN 1969:2000
Mass per unit area	1,48	Kg/m ²	EN 430:1994
Tensile Strength of Shockpad	0.173	Mpa	EN 12230:2003

* **C** Is the definition of channels

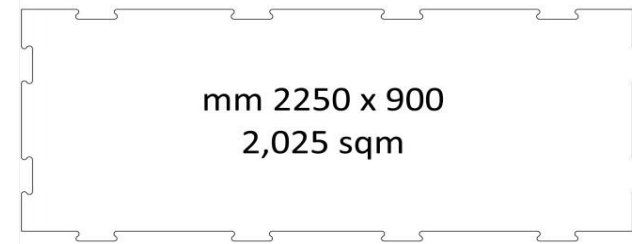
* **S** Is the definition of Special measures (mm 2250 x 900)



REFO SPORT 16 C S is supplied in plate

Measures each plate: **0,90 x 2,25 (puzzle form)**

Sqm each plate: **2,025 sqm**



The holes are present on each plate, every 5 cm

Holes **Width: 20 mm**

Holes **Depth: 10 mm**

Performance*

Deformation	9.00	mm	AAA FIFA Handbook of Test Methods 05a
Shock absorption	55	%	AAA FIFA Handbook of Test Methods 04a
* Between channels			
Energy Restitution	42	%	AAA FIFA Handbook of Test Methods 13
Resistance to break	140N	± 1N	
Resistance to compression	Without permanent deformation	± 1N	
Dimensional stability	0.25 & 0.04	%	

Drainage

Infiltration Rate (vertical)	> 3000 mm	mm/h	EN 12616:2013
Horizontal drainage	Slope (%)	0.5 1.0 1.5	EN ISO 12958:2010
	Flow l/s*m	0.457 0.466 0.495	

REFO SPORT 16 C S 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 16 C 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 16 C S** are hardly effected by simulated aging.

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)