



nidasports®

Sub-Base System
for Artificial Turf

- buffering and draining of rainwater
- thermic insulation
- reduces the thickness of the sub-base
- quick to install



nidasports® and re-bounce®, the perfect match!

For the pleasure of sports



nidasports®

nidasports® is an extruded polypropylene honeycombs structure especially developed to act as underlay between the artificial turf and the prepared ground surface. Thanks to its unique features nidasports® not only offers considerable advantages to the constructor (reducing cost) but it also offers a higher playing comfort to the sports enthusiasts.

Advantages:

- nidasports® ensures perfect drainage thanks to the vertical honeycomb structure. As a result, even after a heavy rainfall, the top surface will not stay wet and thus nidasports® offers a higher playability
- nidasports® is also thermal insulating. The ground frost will not go as deep. So the stone base can be reduced and the level of the drainage pipes can be brought up.
- Thanks to its high void indice (95%):
 - ✓ a nidasports® sheet has a buffer capacity of 27 liter/m², or 200 m³ for a 7000 m² pitch.
 - ✓ less draining pipes are necessary.
- nidasports® sheets spread the loads towards the sub-base and thus allow to bring down the thickness of the sub-base. The result is a reduction of the overall construction depth and the saving on sub-base material and weight.
- nidasports® is suitable for all sports (football, tennis,...) using an artificial sportfield.

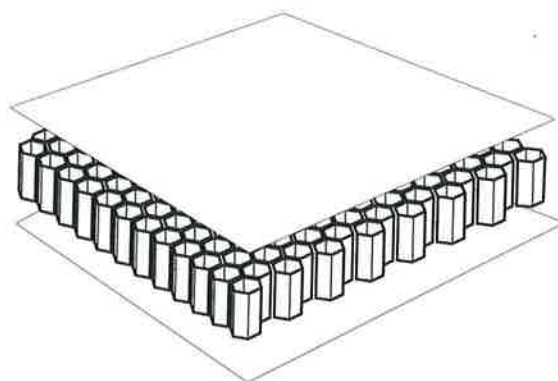
Technical Specifications

Description

- Extruded polypropylene honeycombs, 8 mm hexagonal mesh
- Open face covered with flexible and permeable non woven polyester

Features

- Lightweight
- High compressive strength
- Excellent load bearing characteristics
- Quick to install
- Easy to transport
- Cost effective



Dimensions

Standard size Length : 2500 +/- 5 mm

Width : 1200 +/- 5 mm

Thickness : 28 mm *

Weight: 7,5 kg (the sheet)

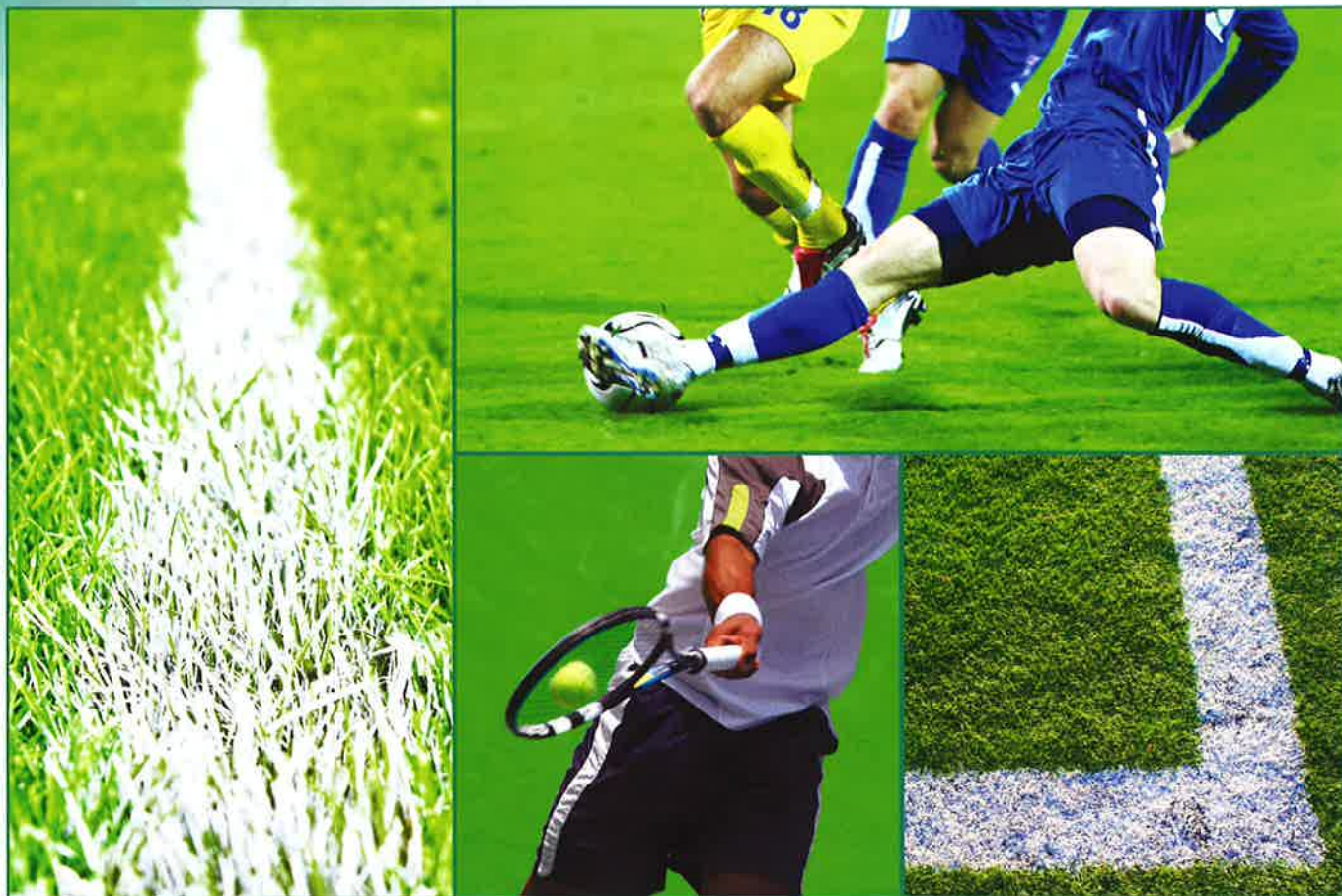
Mechanical properties

	Units	nidasports®	According to standard
Rainwater storage capacity	l/m²	27	
Thermal insulation	m²°C/W	0,3	
Compressive strength (at break, at 20 °C)	MPa	1,2	ISO 844
Shear strength	MPa	0,4	NF T 56-130
resistance to chemicals		OK	

In combination with re-bounce® shockpad, nidasports® reaches all shock-absorption values.

* available in other thicknesses





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