PRODUCT INFO

DESSO D-VISION

" Desso D-Vision, football grass with durable playing characteristics "

More and more football clubs and local authorities are choosing artificial turf for their competition and training pitches. However, to expand its acceptance up to all levels, the playing characteristics of artificial turf need to keep pace with the increasingly sophisticated technical skills of footballers.

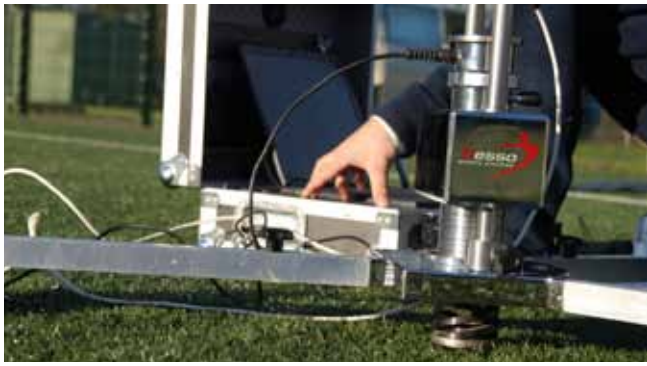
In response to this need, Desso Sports Systems have developed Desso D-Vision, an artificial grass surface benefiting from a new artificial turf technology.

Desso D-Vision provides natural ball roll, good sliding, and an artificial grass surface with a natural "look and feel"- all features that are important to players. Without compromising these characteristics, Desso has also succeeded in making the artificial grass fibres softer, with the ability to retain the initial playing properties over a longer period of time by the use of resilient, pliable fibre technology.

To develop and demonstrate these improved playing properties, a number of new testing methods were drawn up in consultation with, amongst others, the University of Ghent. In addition to the widely established sliding test that objectively registers the sliding friendliness of an artificial grass surface, the durability and the softness of different fibres have now also been proven scientifically. Furthermore, such subjective observations about the "look & feel" of artificial grass can now be tested objectively.

With these comprehensive testing methods, it is possible to produce an artificial grass surface that significantly improves on the playing properties provided by earlier generations of artificial grass for football.

Desso are pleased to be able to offer a competitive edge to ambitious clubs and local authorities who can use their Desso D-Vision pitch to enhance the technical skills of their footballing talent.



Desso D-Vision, consistent playing characteristics

- improved sliding properties
- ultra-soft fibre
- resilient fibre that quickly springs back after being trodden on
- durable long-term playing properties

Subjective observations now scientifically proven

- softness of the fibre objectively tested
- sliding friendliness of an artificial grass pitch assessed with scientific sliding tester
- pliability of the fibre, even after years of play: comprehensive flexibility tests
- durability tests on playing characteristics

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Desso SPORTS SYSTEMS

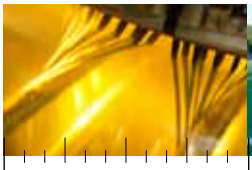
Technical specifications Desso D-Vision 40-50-60

Description	*Reference*	*Specification*
Production Method	DIN 61151	Tufted (straight), cutpile
Pile component	DIN 61151	Desso D-Vision, straight non-fibrillating fibre (8 monofilaments each 210µ thickness), 100% polyolefin, UV resistant, 12.100 dtex
Coating / secondary backing	DIN 61151	Waterpervious SBR latex
Primary backing	DIN 61151	Polypropylene and Polyester woven + fleece
Pile height above backing		40 mm - 50mm - 60mm
Total thickness		42 mm - 52mm - 62mm
Pile gross weight		Ca. 970 g/m² - Ca. 1195 g/m² - Ca. 1420 g/m²
Primary backing weight		215 g/m²
Weight coating		Ca. 1100 g/m²
Total weight	DIN 53854	Ca. 2285 g/m² - Ca. 2510 g/m² - Ca. 2735 g/m²
Gauge		3/4"
# tufts	ISO 1763	Ca. 160 /m
# knots		Ca. 8559 /m²
# filaments (# piles)		Ca/ 136944/m² (17118 /m²)
Width		5 m
Roll length		Max. 75 m
Colour		Green / Olive
Marking lines		White / yellow
Total Infill height		Ca. 20 mm - Ca. 30 mm - Ca. 40 mm
Type of Infill		Quartz sand (Roundness > 80%): 0,2 – 0,8 mm Rubber
Infill weight		Depends on subbase, use of shock absorbing layer and type of infill

Desso Sports artificial turf should be installed according to Desso Sports Systems installation instructions. Maintenance is the basis for retaining sportfunctional properties and appearance level.

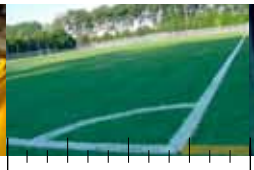
Desso, pioneers of monofilament technology in football pitch systems

1993



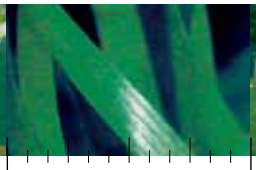
First artificial grass using spin extrusion

1999



Monofilament system with rubber-sand infill

2001



First monofilament using straight, non-fibrillating fibre

2006

Desso Challenge Pro², scientifically proven improved sliding

2008

Desso Ambition, the system with no rubber infill

2009

Desso D-Vision, football grass with durable playing characteristics. More innovations currently under development ...

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