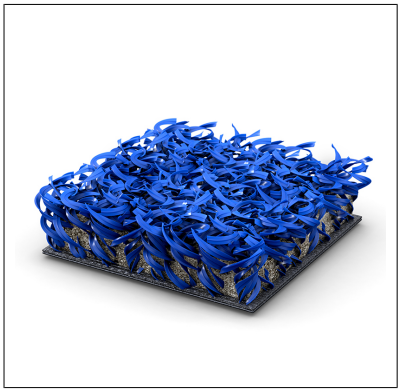
MONDOTURF NSF SUPERCOURT XN

PADEL



Latest generation artificial turf, manufactured with linear tufting process. It has a gauge of 3/16" with 22 tufts/dm, resulting in 46.200 tufts/m². The Supercourt XN available in different colors yarns have a height of 10 mm and 8.610 dtex.

The Supercourt XN yarn combines 3 STX Text curly monofilaments and 3 XNOVA Text curly monofilaments, all made of self-lubricating polyethylene with high resistance to abrasion and UV rays.

The Supercourt XN yarn has a title of 8.610 dtex Dtex.

The STX Text monofilaments have an elliptical cross-section and a single central rib, a thickness of 250 micron, a width of 1,3 mm and a title of 1.720 Dtex.

The XNOVA Text monofilaments have a parallelepiped cross-section with concave sides forming four grooves and four asymmetrical ribs which strengthen the sides; they have a thickness of 170 micron, a width of 0,8 mm and a title of 1.150 Dtex.

The XNOVA Text monofilaments have a special built-in elastomer that increases resilience and softness.

During the game, the texturized STX Text and XNOVA Text filaments act like a spring as they compress and then quickly return to their original state.

The STX Text and XNOVA Text texturized filaments completely encapsulate the sand, minimizing wear of the surface and the ball and maximizing its appearance.

The Supercourt XN surfaces have been developed by the MONDO laboratories, in collaboration with the World Padel Tour, specifically for padel courts.

The Supercourt XN filaments are tufted to the backing with linear tufting process. The backing is made with double layer of polypropylene with a weight of 223 g/m². A peculiar characteristic of this support is the exceptional dimensional stability. After the tufting process, approximately 600 g/m² of polyurethane are incorporated into the product via the finishing line. This operation fixes the yarns to the backing, obtaining a tear resistance of between 25-50 N. The total weight of the finished product is approximately 2.216 g/m² with a maximum roll width of 4 meters.

During installation a lower layer is realized with stabilization infill made of rounded, washed and dried quartz sand granules. The sand has a 97% silicon content with a particle size between 0,315 - 0,8 mm, and is applied at a ratio of 10 kg/m².

The MONDOTURF NSF SUPERCOURT XN artificial turf carpet must be installed on a flat and if possible “rough” surface such as asphalt or unfinished cement. The following installation types must be avoided:

- Carpet on surface
- Carpet on NWF (non-woven fabric) substrates
- Carpet on hard, smooth surfaces such as marble, ceramics, highly compacted cements smoothed with a very fine trowel

Trimming by at least 3.0 cm is required along the entire perimeter. As far as possible, avoid long-term positioning of equipment or furnishings on the turf system that can prevent the natural movement of the carpet. The joints for the sheets involve the use of geotextile strips applied with two-component epoxy-polyurethane adhesives. The line marking for play is usually made with the same material.

The MONDOTURF NSF SUPERCOURT XN system is laboratory certified in accordance with **DIN 18035-7**, **EN 15330-1**, **ITF Category 4 - Medium-Fast**, **UNE 147301 (Producto Homologado FEP)**.

The carpet of this system is laboratory certified in accordance with **GREENGUARD / GREENGUARD GOLD**.

This MondoTurf artificial turf system is manufactured in accordance with the UNE EN ISO 9001 quality management systems in regards to the design, development, production, marketing, installation and maintenance of the artificial turf surface. It was developed according to the R&D management system in accordance with the UNE 166002 standard relating to the research, development and innovation of textile technologies for artificial turf surfaces and synthetic fibre materials. Furthermore, it is manufactured in accordance with the UNE EN ISO 14001 quality and environmental management systems regarding the design, development, production, marketing, installation and maintenance of the artificial turf surface.

Yarn Properties		Carpet Properties	
Yarn name:	**Supercourt XN**	**Pile height (ISO 2549):**	**10 mm** (± 5%)
Linear density of yarn (average):	**8.610 dtex** (± 10%)	**Stitch rate (ISO 1763):**	**22 tufts/dm**
Yarn Composition:	**100% POLYETHYLENE**	**Tuft density (ISO 1763):**	**46.200 tufts/m²** (± 10%)
Yarn color:	**Green, blue, Red, Black ***	**Tuft density:**	**554.400/m²**
Filaments Type:	**STX TEXT / XNOVA TEXT**	**Tufting pattern:**	**Linear tufting**
Linear density of filaments:	**1.720 / 1.150 dtex** (± 10%)	**Gauge:**	**3/16"**
Thickness of filaments (FIFA method 25):	**250 / 170 µm** (± 10%)	**Primary backing construction:**	**double layer of polypropylene**
Structure of filaments:	**curly monofilament / curly monofilament**	**Secondary backing composition:**	**Polyurethane (PU)**
Number of filaments:	**3 / 3**	**Water Permeability (EN 12616):**	**500 mm/h (outdoor courts only)**
		Maximum roll size:	**25 x 4 m**

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Carpet weight		Infill properties	
Pile weight (ISO 8543):	**1.393 g/m²** (± 10%)	**Stabilizing Infill:**	**Quartz sand, rounded, washed and dried**
Primary backing weight:	**223 g/m²** (± 10%)	**Particle size (range):**	**0,315 - 0,8 mm**
Secondary backing weight:	**600 g/m²** (±10%)	**Quantity:**	**10 kg/m²**
Total weight (ISO 8543):	**2.216 g/m²** (±10%)		

* Recommended for indoor use only.

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