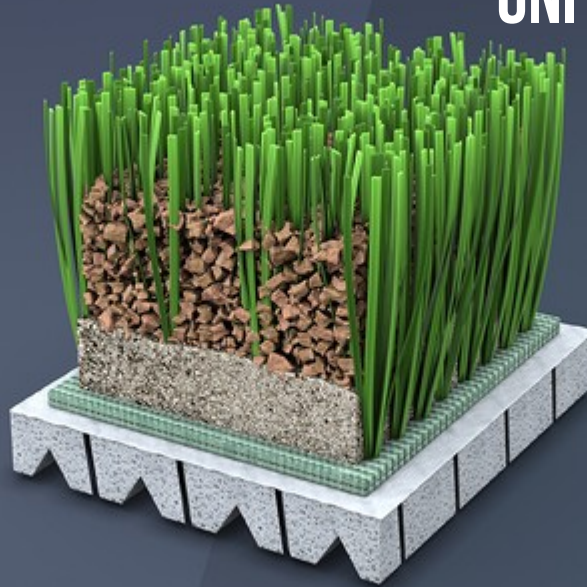


UNITE DUAL XN PLUS AC EF

THE SUSTAINABLE REVOLUTION.



UNITE DUAL XN PLUS AC EF IS MONDO'S ARTIFICIAL TURF SYSTEM, COMPOSED OF AN INNOVATIVE COMBINATION OF XNOVA MONOFILAMENTS - WHICH FEATURE A STRAIGHT STRUCTURE AND PARALLELEPIPED SECTION WITH CONCAVE SIDES THAT FORM FOUR GROOVES AND 4 ASYMMETRICAL RIBS - AND 5NX MONOFILAMENTS, CHARACTERIZED BY A STRAIGHT STRUCTURE AND SEMI-CONCAVE SECTION WITH 3 ASYMMETRICAL RIBS, AND A THICKNESS OF 420 MICRONS.

THE YARNS ARE COMBINED WITH A CORK120 CORK PERFORMANCE INFILL AND PREFABRICATED ELASTIC UNDERLAY MADE FROM CROSS-LINKED POLYOLEFIN FOAM.

THE YARNS OF THE MONDO UNITE SURFACE ARE FUSED TO THE BACKING BY MEANS OF A THERMAL BONDING PROCESS THAT SEALS THE ENTRY AND EXIT HOLES OF THE FIBERS, MELTING THESE TOGETHER WITH THE MULTI-LAYER BACKING WITHOUT USING FIXING COATINGS SUCH AS LATEX OR POLYURETHANE.



DUAL XN PLUS

Artificial turf system that combines the new XNOVA monofilaments with 5NX monofilaments.



UNITE THERMO-BONDED ARTIFICIAL TURF SURFACES

A thermo-bonding process that enables the fusion of the yarns and the multi-layer backing.



CORK120

Cork granules performance infill for artificial turf pitches.



ELASTIC UNDERLAYMENT

Elastic underlayment made from expanded polyethylene foam.

24/04/2024

Mondo keeps the right to modify the characteristics of the products in any moment



UNITE DUAL XN PLUS AC EF

UNITE: RECYCLED, RECYCLABLE

MONDO patented its first thermo-bonded artificial turf in 2010.

Our laboratories have never stopped believing in this technology, which combines performance with respect for the environment.

This is how UNITE artificial turf surfaces are created, with a multilayer backing produced in the MondoTufting plant, using more than 20% pre- and post-consumer recycled materials.

are fused to the backing by means of a thermal bonding process that seals the entry and exit holes of the fibers, melting the multi-layer backing and the fibers together, without the use of binders or impregnating agents such as latex or polyurethane.

Thanks to this thermo-bonding process, MONDOTURF surfaces boast greater resistance to tearing with excellent drainage courtesy of the breathable backing; they are also 100% recyclable at the end of their useful life.

DUAL XN PLUS: AN EXCELLENT COMBINATION

The combination of XNOVA and 5NX monofilaments gives DUAL XN PLUS surfaces maximum resilience and softness and reduced friction.

DUAL XN PLUS has an optimized elastic memory that enables the fibers to quickly spring back to their original positions after each interaction between the athlete and the playing surface.

Mondoturf DUAL XN PLUS surfaces also are made using a tufting process with a zig-zag pattern, which guarantees that the fibers stay in position. This also ensures that the filaments are evenly distributed on the backing, which improves tear resistance.

The MONDO fiber extrusion process uses an innovative UV stabilizer that makes the artificial turf surface resistant to atmospheric agents and enables it to maintain its biomechanical properties and appearance over time.

CORK 120: 100% CORK PERFORMANCE INFILL

100% cork performance infill offers a whole range of advantages for artificial turf systems and it is completely microplastic free:

- Excellent elasticity and shock absorption - the cellular structure of the cork is filled with a mixture of gases which allows the material to be compressed to over half of its original volume and spring back to size without being damaged;
- Long lasting - the presence of suberin makes cork highly resistant to moisture and oxidation;
- Low heat absorption when exposed to sunlight;
- Highly fire resistant;
- Environmentally friendly;
- Odour resistant.

In addition, compared to mixed organic infill, the 100% cork performance infill:

- It does not contain dust deriving from the shredding of other organic materials that could limit the drainage of the field.
- Ensures uniform elasticity, because it is made exclusively of resilient material granules.

MONDOTURF NSF UNITE DUAL XN PLUS 13 45 AC120 EFT5010

Filaments Type: straight monofilaments with a semi-concave section and three asymmetrical ribs + straight monofilaments with parallelepiped section and four asymmetrical ribs

Pile height: 45 mm

Yarn Dtex: 13,050 Dtex

Infill: Sand + Cork

Elastic Carpet: Prefabricated roll EFT5010 (XC 5010)

Shockpad composition: Cross-linked polyethylene foam

Thickness: 10 mm

CERTIFICATIONS

Test Report EN 15330-1 Mondoturf NSF UNITE DUAL XN PLUS13 45 AC120 EFT5010

Test Report NF P90-112 Mondoturf NSF UNITE DUAL XN PLUS 13 45 AC120 EFT5010

GREENGUARD GOLD CERTIFICATE MONDOTURF NSF UNITE DUAL XN PLUS 13 45



MONDOTURF NSF UNITE DUAL XN PLUS 13 45 AC120 EL25

Filaments Type: straight monofilaments with a semi-concave section and three asymmetrical ribs + straight monofilaments with parallelepiped section and four asymmetrical ribs

Pile height: 45 mm

Yarn Dtex: 13,050 Dtex

Infill: Sand + Cork

Elastic Carpet: In-situ elastic layer EL 25mm

Shockpad composition:

Thickness: 25 mm

CERTIFICATIONS

Test Report EN 15330-1 Mondoturf NSF UNITE DUAL XN PLUS13 45 AC120 EL25

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GREENGUARD GOLD CERTIFICATE MONDOTURF NSF UNITE DUAL XN PLUS 13 45
