

**“I’ve seen things you would not believe”**

The new ORION grass moves us to what will be high-end artificial grass

The maximum quality and the most advanced development as much in the make up of its polymers as the extrusion of its filaments make a simply extraordinary product

Using TENCATE fiber with “micro-strips” on both sides ( MINT technology ) for the straight yarn, combined with a hybrid-curlled yarn (polyethylene and polypropylene polymer blend) to obtain a softer product as a whole. At the same time we reduce the classic “dry leaf” sound common in curled yarn of PP but maintain a fuller body and volume that acts as reinforcement to the resilience of the fibers

The ORION artificial grass is designed in a thread height of 38 mm and with a density of 24,675 stitches/m2, using DTEX fiber of 9,900. When all added together use 2,1 Kg of fiber per meter in the preparation of the product

It is a very high-end grass, ahead of its time, extraordinarily soft and pleasant to the touch. It is comfortable to the tread and very realistic looking due to the combination of the 6 shades of color in the thread

ORION artificial grass opens a new development path in the future of the sector. It is unattainable to all “replicas”

DENSITY
24675 stitches / m2



APPEARANCE

PILE WEIGHT
2100 grammes / m2



SHAPE OF YARN

PILE HEIGHT
38 mm



A CLOSER LOOK

LEVEL OF USE
Intense, it is going to be stepped on continuously

TYPICAL USES
<ul style="list-style-type: none"> <li>gardens of apartment block communities</li> <li>community pools, etc...</li> </ul>

ICONS

High, it will be stepped on frequently
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<ul style="list-style-type: none"> <li>private gardens</li> <li>swimming pools</li> <li>any other frequently walked-on area, etc...</li> </ul>
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Medium, you will step on it just occasionally
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<ul style="list-style-type: none"> <li>private gardens</li> <li>terraces / penthouse apartments</li> <li>swimming pools</li> <li>other less frequented areas, etc...</li> </ul>
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Low, merely decorative
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<ul style="list-style-type: none"> <li>decorative gardens</li> <li>roundabouts / separators</li> <li>shop windows</li> <li>fairs / events, etc...</li> </ul>
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DEGREE OF COMFORT	intense	
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DEGREE OF RESILIENCE	high	
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DEGREE OF REAL-LIFE APPEARANCE	intense	
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DEGREE OF SOFTNESS	intense	
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**TECHNICAL CHARACTERISTICS OF THE YARN**

DTEX	9900
Filament configuration	12 straight + 6 curly
<b>Straight yarn</b>	
Structure	Monofilament TENCATE ( both yarns )
Shape	Micro-strips ( both yarns )
Composition	Polyethylene ( both yarns )
Yarn 1 colour shade	Two-tone green ( two colours )
Yarn 2 colour shade	Two-tone green ( two colours )
Matte treatment	Yes
UV stabilised	Yes
Respectful with the environment	Yes, lead and cadmium free
<b>Curly yarn</b>	
Structure	Textured
Composition	Hybrid ( Polypropylene + Polyethylene )
Colour	Beige and green

**TECHNICAL CHARACTERISTICS OF THE BACKING**

Primary support composition	Polypropylene
Primary support layers	2
Reinforced with net	No
Primary support weight	200 grammes / m2
Support coating	Latex
Support coating weight	1000 grammes / m2

**GENERAL TECHNICAL CHARACTERISTICS**

Type of manufacturing system	Tufted cut pile + curly yarn
Gauge	3/8"
Stitches per m2	24675 ( +/- 10% )
Stitches rate per 10cm	23,5 ( +/- 1 )
Pile height	38 mm ( +/- 5% )
Total height	40 mm ( +/- 5% )
Pile weight	2100 gr / m2 ( +/- 10% )
Total weight	3300 gr / m2 ( +/- 10% )
Dimensional stability	+/- 0,60 %
Water permeability	40 litres / minute / m2
Installation	Floating without silica sand infill ( optional )

**FORMATS AND DIMENSIONS**

Rolls  width: 2 meters length: 20 meters	Rolls  width: 4 meters length: 20 meters
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