

**“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 26,250 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
26250 stitches / m2



APPEARANCE

PILE WEIGHT
2890 grammes / m2



SHAPE OF YARN

PILE HEIGHT
45 mm



A CLOSER LOOK

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

TYPICAL USES
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- gardens of apartment block communities
- community pools, etc...

ICONS
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LEVEL OF USE
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High, it will be stepped on frequently

TYPICAL USES
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- private gardens
- swimming pools
- any other frequently walked-on area, etc...

ICONS
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LEVEL OF USE
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Medium, you will step on it just occasionally

TYPICAL USES
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- private gardens
- terraces / penthouse apartments
- swimming pools
- other less frequented areas, etc...

ICONS
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LEVEL OF USE
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Low, merely decorative

TYPICAL USES
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- decorative gardens
- roundabouts / separators
- shop windows
- fairs / events, etc...

ICONS
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DEGREE COMFORT
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intense



DEGREE RESILIENCE
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high



DEGREE REAL-LIFE APPEARANCE
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intense



DEGREE SOFTNESS
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intense



**TECHNICAL CHARACTERISTICS OF THE YARN**

DTEX	11500
Filament configuration	12 straight + 10 curly

**Straight yarn**

Structure	Monofilament ( both yarns )
Shape	Concave in U
Composition	Polyethylene
Colour shade	Two-tone green ( two colours )
Matte treatment	Yes
UV stabilised	Yes
Respectful with the environment	Yes, lead and cadmium free

**Curly yarn**

Structure	Textured
Composition	Polypropylene
Colour	Beige and green

**TECHNICAL CHARACTERISTICS OF THE BACKING**

Primary support composition	Polypropylene + net
Primary support layers	1
Reinforced with net	Yes
Primary support weight	150 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	26250 ( +/- 10% )
Stitches rate per 10cm	26 ( +/- 1 )
Pile height	45 mm ( +/- 5% )
Total height	47 mm ( +/- 5% )
Pile weight	2890 gr / m2 ( +/- 10% )
Total weight	4040 gr / m2 ( +/- 10% )
Dimensional stability	+/- 0,60 %
Water permeability	40 litres / minute / m2
Fire resistance clasification	Efl-s2
Installation	Floating without silica sand infill ( optional )

**FORMATS AND MEASUREMENTS**

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