"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 it's 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-curled 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

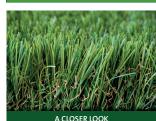
The ORION artificial grass is designed in a thread height of 38 mm and with a density of 26,250 stitches/m2, using DTEX fiber of 9,900. When all added together use 2,1 Kg of fiber per meter in the preparation of the product

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

PILE WEIGHT 2890 grammes / m2



PILE HEIGHT

45 mm

APPEARANCE	SHAPE OF YARN	A CLOSER LOOK		
LEVEL OF USE	TYPICAL USES	ICONS		
Intense, it is going to be stepped on continuously	gardens of apartment block communities community pools, etc	* * * *		
High, it will be stepped on frequently	private gardens swimming pools any other frequently walked-on area, etc	* * * *		
Medium, you will step on it just occasionally	private gardens terraces / penthouse apartments swimming pools other less frequented areas, etc	* * * *		
Low, merely decorative	decorative gardens roundabouts / separators shop windows fairs / events, etc	*		
DEGREE COMFORT	intense	And And And And		
DEGREE RESILIENCE	high	(5) (5) (5) (5) (5) (5) (5) (5) (5) (5)		
DEGREE REAL-LIFE APPEARANCE	intense			
DEGREE SOFTNESS	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

ORION



width: 2 meters



















