

Permanent renaissance

FLORENCIA is a leading artificial grass solution which once again proves how SUMIGRAN is currently incorporating innovation and creativity to serve our clients with cutting edge grass solutions, which other competitors simply cannot match either in terms of know-how or product sophistication. This is the first of our models that uses more than the usual four shades of colour. Bearing in mind that most of our products use up to 4 only, FLORENCIA artificial grass is a new ground breaking development in the market and a key milestone in our mission to be the best artificial grass supplier in the world


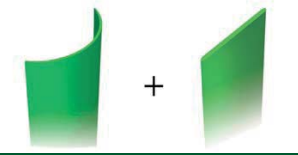

The development of FLORENCIA grass stems from our nonconformity and eagerness to keep at the forefront of the market. This makes us evolve continuously, and FLORENCIA is the first time that artificial grass composed of 3 different filaments per stitch has been made. The filaments have texture, mass and thickness of different shapes





This innovation has achieved two unprecedented results:

- By using 3 different yarns, each in a two-colour combination, we have a total of 6 different colours in a single product, which gives it a greater chromatic range and therefore greater realism
- Monofilament fibres are composed of fibres with two different extrusions. A fibre of a "C concave" shape and a second "flat tape" one. This means that the yarns of both shapes react differently to being stepped on and to pressure. Concave yarns have a more accelerated recovery compared to flat yarns that have a more delayed spring back. In short, it is now possible to provide greater realism and new textures to the product

Based on this innovation, we have developed grass of 40 mm in height with a Dtex of 15,400, in 8 + 6 + 8 configuration (8 flat-section yarns + 6 concave yarns + 8 curly yarns), together with a density of 14,700 stitches / m2, which gives the finished product a fibre weight close to 2,200 gr / m2. The intensely soft and natural texture make it one of the most exclusive models on the market due to its technical, physical and aesthetic qualities

The FLORENCIA model is classified as artificial grass for sophisticated decoration and high level landscaping. It is a masterpiece

DENSITY 14700 stitches / m2	PILE WEIGHT 2240 grammes / m2	PILE HEIGHT 40 mm
		
APPEARANCE	SHAPE OF YARN	A CLOSER LOOK

LEVEL OF USE	TYPICAL USES	ICONS
Intense, it is going to be stepped on continuously	<ul style="list-style-type: none"> gardens of apartment block communities community pools, etc... 	
High, it will be stepped on frequently	<ul style="list-style-type: none"> private gardens swimming pools any other frequently walked-on area, etc... 	
Medium, you will step on it just occasionally	<ul style="list-style-type: none"> private gardens terraces / penthouse apartments swimming pools other less frequented areas, etc... 	
Low, merely decorative	<ul style="list-style-type: none"> decorative gardens roundabouts / separators shop windows fairs / events, etc... 	

DEGREE COMFORT	intense	
DEGREE RESILIENCE	high	
DEGREE REAL-LIFE APPEARANCE	intense	
DEGREE SOFTNESS	intense	

TECHNICAL CHARACTERISTICS OF THE YARN

DTEX	15400
Filament configuration	8 straight (yarn 1) + 6 straight (yarn 2) + 8 curly
Straight yarn	
Structure	Monofilament (both yarns)
Yarn 1 shape	Concave in C
Yarn 2 shape	Flat
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

Curly yarn	
Structure	Textured
Composition	Polypropylene
Colour	Beige and brown



TECHNICAL CHARACTERISTICS OF THE BACKING

Primary support composition	Polypropylene
Primary support layers	2
Reinforced with net	No
Primary support weight	240 grammes / m2
Support coating	Latex
Support coating weight	950 grammes / m2

GENERAL TECHNICAL CHARACTERISTICS

Type of manufacturing system	Tufted cut pile + curly yarn
Gauge	3/8"
Stitches per m2	14700 (+/- 10%)
Stitches rate per 10cm	14 (+/- 1)
Pile height	40 mm (+/- 5%)
Total height	42 mm (+/- 5%)
Pile weight	2240 gr / m2 (+/- 10%)
Total weight	3380 gr / m2 (+/- 10%)
Dimensional stability	+/- 0,60 %
Water permeability	40 litres / minute / m2
Installation	Floating without silica sand infill (optional)

FORMATS AND MEASUREMENTS

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

