

Experience, tradition and avant-garde



Thanks to the knowledge and know-how accumulated in our long trajectory in which SUMIGRAN has set the trends and technical evolution in the sector, we have been able to create a product that combines the technical and aesthetic qualities of superior range models, at the best price possible





The result of this knowledge is SHANGHAI artificial grass, made with "concave "C" shaped micro monofilament" with special matt treatment, in 12 + 8 configuration, i.e. 12 straight "micro monofilament" yarns and 8 curled yarns are used for each stitch on the fibre backing. This configuration provides more realism to the product as a whole, since it allows the filaments per stitch to open in a more realistic and natural way

The SHANGHAI model has been designed with a fibre height of 37 mm and a density of almost 19,500 stitches / m2. The combination of these physical characteristics and the magnificent yarn used give this model a very natural look

It is valid for all types of landscape projects and luxury decoration, gardens, high use common areas, green areas in buildings, business parks, etc...

Only the sum of experience and effort allows us to create products such as SHANGHAI artificial grass. "Ad astra per aspera"

<b>DENSITY</b> 19425 stitches / m2	<b>PILE WEIGHT</b> 1707 grammes / m2	<b>PILE HEIGHT</b> 37 mm
		
APPEARANCE	SHAPE OF YARN	A CLOSER LOOK



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

<b>DEGREE COMFORT</b>	high	
<b>DEGREE RESILIENCE</b>	high	
<b>DEGREE REAL-LIFE APPEARANCE</b>	high	
<b>DEGREE SOFTNESS</b>	high	

TECHNICAL CHARACTERISTICS OF THE YARN	
DTEX	10400
Filament configuration	12 straight + 8 curly
Straight yarn	
Structure	Micro monofilament ( MMF )
Shape	Concave in C
Thickness	60 - 80 µm
Width	0,70 - 0,90 mm
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
Primary support layers	2
Reinforced with net	No
Primary support weight	200 grammes / m2
Support coating	Latex
Support coating weight	1050 grammes / m2

GENERAL TECHNICAL CHARACTERISTICS	
Type of manufacturing system	Tufted cut pile + curly yarn
Gauge	3/8"
Stitches per m2	19425 ( +/- 10% )
Stitches rate per 10cm	18,5 ( +/- 1 )
Pile height	37 mm ( +/- 5% )
Total height	39 mm ( +/- 5% )
Pile weight	1707 gr / m2 ( +/- 10% )
Total weight	2957 gr / m2 ( +/- 10% )
Dimensional stability	+/- 0,60 %
Water permeability	50 litres / minute / m2
Fire resistance classification	Efl
Installation	Floating without silica sand infill ( optional )

FORMATS AND MEASUREMENTS	
Rolls  width: 2 meters length: 20 meters	Rolls  width: 4 meters length: 20 meters

