

Yarn Characteristics

Type:	Polyethylene Monofilament Textured (non infill)
Dtex:	12.800

Tuft Characteristics

Pile Height:	15 - 60 mm (margin +/- 5%)
Stitch Rate:	180 - 220
Gauge:	5/16"
Tuft Lock:	2 kg

Backing Characteristics

Primary Backing:	Woven Polyester
Secondary Backing:	Latex
Water permeability:	drainage holes on request

Total Product Weight

2500 g/sqm, dependent on pile height and stitch rate

Warranty

5 year warranty against discoloration and UV light degradation.
2 year product warranty against fibers coming off.

Logo/Design

For the production of your logo or design, a Vector file is required. With preference .eps or .ai file.
Besides a square or rectangle mat, we can also tuft the shape of a logo or design like a circle, ellipse, hexagon or crest.
Margin total size logo mat: +/- 5%

Guidelines Logo/Design

Letters, signs and logos need to be legible and feasible, so please take following guidelines in account:

Product:	Soft 20 mm (5/16" gauge)
Minimum height letter:	7 - 8 cm
Detail (width):	1.0 cm
Space in between letters:	1.0 cm

Possibilities

It's possible to supply us with your own yarn, under the condition a production test is permitted.
We require a technical datasheet and sample of the artificial grass.
There is no maximum size. Logo mats larger than 9 x 4 meters will consist out of multiple parts of which the joints need to be glued on location.

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Signgrass® Soft

Standard colours available:

	TM1 - white
	TM12 - light grey-X
	TM11 - grey
	TM14 - dark grey-X
	TM2 - black
	TM3 - yellow
	TM4 - orange
	TM5 - red
	TM22 - brown
	TM20 - cream
	TM18 - lime green
	TM9 - light green
	TM23 - natural green-X
	TM10 - dark green
	TM8 - dark blue
	TM7 - light blue
	TM26 - turquoise-X
	TM27 - light turquoise
	TM25 - pink
	TM16 - fuchsia-X
	TM6 - purple

Other colours on request.

SIGNGRASS®
synthetic grass design

Stökskesweg 9^B
5571 TJ Bergeijk
The Netherlands
Tel. +31 497 57 25 45
info@signgrass.com
www.signgrass.com

Installation & Maintenance

Our logo mats should only be installed by a professional in order to ensure the best result.

Seams have to be secured with polyurethane special adhesive for synthetic grass.

Signgrass® logo mats are low in maintenance, just like artificial grass, but not maintenance-free!

- Brush the grass regularly with a stiff broom or rake
 - Keep the grass free of debris and leaves
 - Remove leaves using a leaf blower or rake
 - Remove any weeds immediately to prevent seed dispersal
 - Use clean water to rinse off any spills, such as liquids, sauce or melted ice-cream
 - Pet excrement or smells can be removed using a shovel or detergent and water
 - Avoid contact with hot materials (or close proximity to glass structures) to prevent shrinkage of the grass fibers.
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Gas fading

The discolouring of polyethylene is a phenomenon that is well-known in polymer industry. It is also described as yellowing, pinking or gas fading. The colour changes of the material are generally a result of auto-oxidation of phenolic antioxidants in the basic polymer used. These phenolic antioxidants are added to the resin by the producer to protect and stabilize the polymer during processing and use. The change in colour of the polymer is strictly cosmetic and does not affect physical properties.

The sources of discoloration in polyethylene are diverse and can vary from packaging to inappropriate material composition. The most relevant source is excessive levels of atmospheric pollutants like nitrogen oxides (NOx). The relatively high levels of NOx are usually caused by exhaust gasses (gas fading), for example fork lift trucks and heaters in warehouses.

To reverse and remove the discolorations expose the material to UV-light (sunlight).

With respect to synthetic turf fibres, the yellow shine of white yarn will disappear after installation of an outside pitch. When using synthetic turf for an inside application, exposure to sunlight before installation will remove the yellow shine.

TM1 - white

TM12 - light grey-X

TM11 - grey

TM14 - dark grey-X

TM2 - black

TM3 - yellow

TM4 - orange

TM5 - red

TM22 - brown

TM20 - cream

TM18 - lime green

TM9 - light green

TM23 - natural green-X

TM10 - dark green

TM8 - dark blue

TM7 - light blue

TM26 - turquoise-X

TM27 - light turquoise

TM25 - pink

TM16 - fuchsia-X

TM6 - purple