Signgrass® Monosport

Monofilament

Yarn Characteristics	
Type	Polyethylene Monofilament
DTex	12.800

Tuft Characteristics	
Pile Height	30 - 60 mm (margin +/- 2%)
Stitch Rate	150 - 200
Gauge	3/4" - 3/8" - 5/8" - 5/16"
Tuft Lock	2 kg

Backing Characteristics	
Primary Backing	Polyethylene and 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.
5 year product warranty against fibers coming off.

SIGNGRASS®
synthetic grass design

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	+/- 2%

Guidelines Logo/Design	
Letters, signs and logos need to be legible and feasible, so please take following guidelines in account:	
Product	Mono 40 mm (3/8" gauge)
Minimum height letter	12 - 18 cm
Detail (width)	2.0 cm
Space in between letters	2.0 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 12 x 4 meters will consist out of multiple parts of which the joints need to be glued on location.

** Colours may differ from the original. Also, a minor colour deviation per production batch can not be excluded.*

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Standard colours available:

- M1 - white
- M11 - grey
- M19 - dark grey
- M2 - black
- M12 - brown
- M13 - bright yellow
- M17 - straw yellow
- M14 - orange
- M5 - red
- M18 - red clay
- M32 - fuchsia
- M23 - purple
- M7 - reflex blue
- M20 - signal blue
- M6 - light blue
- M21 - gold
- M30 - turquoise
- M10 - olive green
- M9 - bright green-X
- M29 - simpson green

*Other colours on request.**

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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.

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.

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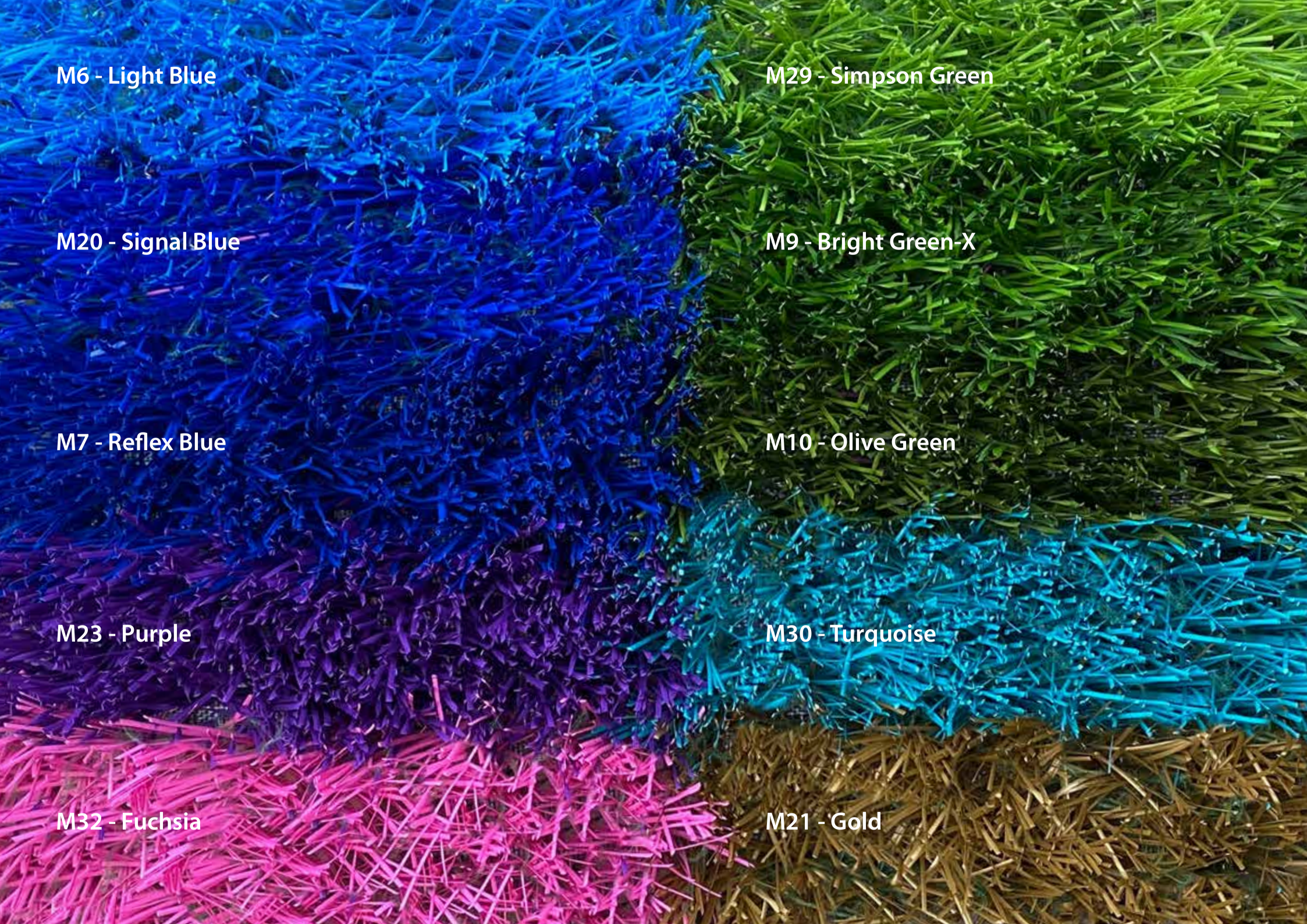
M12 - Brown
M18 - Red Clay
M2 - Black
M5 - Red
M19 - Dark Grey
M14 - Orange
M11- Grey
M17 - Straw Yellow
M1 - White
M13 - Bright Yellow


M6 - Light Blue
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