

Product name	TerraGrass 223 16/8
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Application	Basic
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Description	Artificial turf with sand infill; Polytan Monofilament; 100 % Polytan PE formulation; Polytan texturisation; single extrusion uncut, without fibrillation
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Yarn data	SI unit
Materials	100% Polytan PE
Filament/film	Monofilament texturized
Number of filaments	6
Thickness app.	160 µm
Average thickness app.	150 µm
Filament width app.	1,1 mm
Yarn fineness app.	9000 dtex
Cross section area app.	150000 µm ²

Construction data	
Pile height stretched app.	23 mm
Machine gauge	3/8 "
Stitch density app.	160 /m
Number of tufts app.	16800 /m ²
Number of filaments app.	201600 /m ²
Fibre weight app.	820 g/m ²

Backing construction	
Primary backing 1	100% PP woven fabric, UV stabilised
Primary backing 2	100% PP support layer
Coating	Latex, antibacterial and antifungal, waterproof
Coating weight app.	1000 g/m ²
Perforation, hole spacing app.	140 mm
Perforation, hole diameter min.	3 mm

Product data	
Production technology	Tufting velours
Maximum width	4 m
Maximum length	depending on installation width
Thickness backing coated app.	2 mm
Total height app.	21 mm
Total weight app.	2010 g/m ²

General data	
Turf colour	oliv
Line colour	white or yellows, other colours on request
Elastic layer	Polytan ET/EL

Maintenance	Details for maintenance see Polytan maintenance brochure
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In order to maintain our surfaces to the highest and most up to date technical standards, we reserve the right to modify the product data. Slight color variations are determined to production. We advise that the technical values regarding yarn- and construction data as well as weight indications are approximate values and could vary due to technical reasons by +/- 10 %. (March 2014)

Additional information

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Quality data	SI unit
Water permeability app.	500
Tuft pull out force app.	40 N
Tensile strength axial MD >	15 N/mm
Tensile strength longitudinal MD >	15 N/mm
Colour fastness	3 Grey scale

System design			
Elastic layer	Polytan ET min.	35 mm	insitu
	Polytan EL min.	25 mm	insitu
Turf infill-upper	Sand	hydro classified, clean dried silica sand	
	Diameter round app.	0.2 - 0.8 mm	
	Quantity app.	23 kg/m ²	

Installation data	
Carpet installation	floating
Seam	glued with Polytan wet-adhesive or two component-adhesive

Certificates	-
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