

Product name	LigaTurf RS+ CoolPlus WCE 240 16/4
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Application	Professional
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Description	Football turf with infill; Polytan Monofilament with ENTANGLEMENT technology; 100 % Polytan PE formulation with CoolPlus function; single extrusion uncut, without fibrillation; BiColour colour scheme lime/fieldgreen
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Yarn data	SI unit
Materials	100% Polytan PE
Filament	Monofilament straight
Number of filaments	6
Thickness app.	360 µm
Average Thickness app.	210 µm
Filament width ca.	1.1 mm
Yarn fineness app.	13000 dtex
Cross section area app.	260000 µm ²

Construction data	
Pile height stretched app.	40 mm
Machine gauge	3/4 "
Stitch density app.	160 /m
Number of tufts app.	8600 /m ²
Number of filaments app.	103200 /m ²
Fibre weight app.	1000 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.	42 mm
Total weight app.	2190 g/m ²

General data	
Turf colour	Lime/Fieldgreen
Line colour	white or yellows, other colours on request
Elastic layer	Polytan ET/EL (in-situ)

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 %. (January 2017)

Technical Data Sheet



Additional information

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Quality data	SI unit
Water permeability app.	500 mm/h
Tuft bind app.	40 N
Tensile strength MD *>	15 N/mm
Tensile strength CD *>	15 N/mm
Colour fastness min.	3 Grey scale
	*Rugby > 25N/mm

System design			
Elastic layer			
	Polytan ET min.	35 mm	in-situ, on engineered base
	Polytan EL min.	25 mm	in-situ, on dynamic base
Turf infill-base	Sand hydro classified, clean dried silica sand		
	Diameter round app.	0.2 - 0.8 mm	
Turf infill-upper	Rubber granules Fusion GT, Cork, EPDM ST, EPDM R, RPU, SBR		

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

Certificates	Lab approved in various but specific combinations of infill and e-layer/shockpad for FIFA Quality Pro/Quality, EN15330-1, RAL-GZ 944, NF-P90-112, Nordic Standard and Others.
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