

Product name **LigaTurf Ultimate CoolPlus 240 17/4**

Application **Performance**

Description **3rd generation football turf with sand-rubber infill; Polytan Monofilament with ENTANGLEMENT technology; 100 % Polytan PE formulation with CoolPlus function; BiColour look; straight without curling, single extrusion uncut, without fibrillation**

Yarn data	SI unit
Materials	100% Polytan PE
Filament/film	Monofilament straight
Number of filaments	6
Thickness app.	250 µm
Average thickness app.	180 µm
Filament width ca.	1,3 mm
Yarn fineness app.	12000 dtex
Cross section area app.	200000 µm ²

Construction data	
Pile height stretched app.	40 mm
Machine gauge	3/4 "
Stitch density app.	174 /m
Number of tufts app.	9200 /m ²
Number of filaments app.	110400 /m ²
Fibre weight app.	900 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.	2090 g/m ²

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

Maintenance **Details for maintenance see Polytan maintenance brochure**

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)

Technical Data Sheet

Additional information

Product name	LigaTurf Ultimate CoolPlus 240 17/4
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Application	Performance
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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 MD *>	15 N/mm
Colour fastness min.	3 Grey scale

*Rugby > 25N/mm

System design			
Elastic layer	Polytan ET min.	35 mm	insitu
	Polytan EL min.	25 mm	insitu
Turf infill-base	Sand hydro classified, clean dried silica sand		
	Diameter round app.	0.2 - 0.8 mm	
Turf infill-upper	Rubber granules Bionic Fibre, EPDM ST, Smart Infill, RPU, SBR		

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

Certificates	-
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