

# Technical Data Sheet

Product name	<b>LigaTurf RS Pro II 240 20/4</b>
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Application	<b>Professional</b>
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Description	<b>Football turf with infill; Polytan Monofilament with ENTANGLEMENT technology; 100 % Polytan PE formulation with CoolPlus function; single extrusion uncut, without fibrillation; PolyCoat 100% PU coating; BiColour colour scheme lime/fieldgreen</b>
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Yarn data	SI unit
<b>Materials</b>	100% Polytan PE
<b>Filament/film</b>	Monofilament straight
<b>Number of filaments</b>	6
<b>Thickness app.</b>	410 $\mu\text{m}$
<b>Average thickness app.</b>	230 $\mu\text{m}$
<b>Filament width ca.</b>	1,4 mm
<b>Yarn fineness app.</b>	16800 dtex
<b>Cross section area app.</b>	320000 $\mu\text{m}^2$

Construction data	
<b>Pile height stretched app.</b>	40 mm
<b>Machine gauge</b>	3/4 "
<b>Stitch density app.</b>	200 /m
<b>Number of tufts app.</b>	10700 /m <sup>2</sup>
<b>Number of filaments app.</b>	128400 /m <sup>2</sup>
<b>Fibre weight app.</b>	1750 g/m <sup>2</sup>

Backing construction	
<b>Primary backing 1</b>	100% PP woven fabric, UV stabilised
<b>Primary backing 2</b>	100% PP support layer
<b>Coating</b>	PolyCoat 100% PU Coating
<b>Coating weight app.</b>	650 g/m <sup>2</sup>
<b>Perforation, hole spacing app.</b>	140 mm
<b>Perforation, hole diameter min.</b>	3 mm

Product data	
<b>Production technolgy</b>	Tufting velours
<b>Maximum width</b>	4 m
<b>Maximum length</b>	depending on installation width
<b>Thickness backing coated app.</b>	2 mm
<b>Total height app.</b>	42 mm
<b>Total weight app.</b>	2590 g/m <sup>2</sup>

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

Maintenance	<b>Details for maintenance see Polytan maintenance brochure</b>
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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 2020)

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## Additional information

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Quality data	SI unit
<b>Water permeability app.</b>	500 mm/h
<b>Tuft bind app.</b>	50 N
<b>Tensile strength MD *&gt;</b>	15 N/mm
<b>Tensile strength MD *&gt;</b>	15 N/mm
<b>Colour fastness min.</b>	3 Grey scale
	*Rugby > 25N/mm

System design			
Elastic layer	<b>Polytan ET min.</b>	35 mm	insitu
	<b>Polytan EL min.</b>	25 mm	insitu
Turf infill-base	<b>Sand</b> hydro classified, clean dried silica sand		
	<b>Diameter round app.</b>	0.2 - 0.8 mm	
Turf infill-upper	<b>Rubber granules</b> Fusion GT, Cork, EPDM ST, RPU, SBR		

Installation data	
<b>Carpet installation</b>	floating
<b>Seam</b>	glued with Polytan wet-adhesive or two component-adhesive

Certificates	-
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