TECHNICAL SHEET

Article: B0985B NAUTILUS

Norm: EN ISO 20345:2022

Safety Class: S6 CI FO SR

Sole	S29 WHITE
Weight, size 42:	520 g
Footwear height:	150 mm
Width:	12
Construction / Sole:	STROBEL; single density AirTech injected outsole
Anti-perforation insert	
Insole:	Non-woven fabric
Footbed supplied:	Dry'n Air Omnia
Other usable Footbeds (certified):	Dry'n Air Gel; Dry'n Air Scan&Fit Omnia; Secosol; Secosol Dynamic

Entire footwear: protections

Component	Description	Value	Minimum Requirement	Norm
SlimCap toe-cap	Impact Resistance (200J)	14,5 mm	≥ 14,0 mm	5.3.2.3
	Compression Resistance (15 kN)	17 mm	≥14,0 mm	5.3.2.4
Outsole (SR)	Slip Resistance 20345:2022			
	•Ceramic + Det. - Hill	0,46	≥ 0.31	5.3.5.2
	•Ceramic + Det. + Tip	0,40	≥ 0,36	5.3.5.2
	•Ceramic + Glycerin (SR) - Hill	0.22	≥ 0,19	6.2.10.1
	•Ceramic + Glycerin (SR) - Tip	0.25	≥ 0,22	6.2.10.1
Footwear with insole (A)				
			$\geq 10^5$ Ω, $\leq 10^9$ Ω	6.2.2.2
Thermal insulation	Thermal insulation			
	• Decreased Insole Temp. (CI)	8,5 °C	10 °C	6.2.3.2
Energy absorption (E)	Shock-absorption in the heel region	40 J	≥ 20 J	6.2.4
(WR)	Resistance to water penetration	No penetration	No water penetration after 4800 cycles	6.2.5

Upper

Materials	Description	Value	Minimum Requirement	Norm
Water resistant microfiber	Tear resistance	133 N	≥ 60 N	5.4.3
	Traction resistance	N/A	≥ 15 N/mm²	5.4.4
	Water steam permeability	3,3 mg/cm² h	≥ 0,8 mg/cm² h	5.4.6
	Water steam coefficient	31,6 mg/cm²	≥ 15mg/cm²	5.4.6
	Chromium VI content (if leather)	N/A	Not detectable	5.4.9
	Water passed	0,2 g	≤ 0,2 g	6.3
	Water absorption	27 %	≤ 30%	6.3

Lining

Materials	Description	Value	Minimum Requirement	Norm
Hi-tech 3D fabric	Tear resistance	47 N	≥ 15 N	5.5.1
	Abrasion resistance	• No dry hole	No holes before 51,200 cycles	5.5.2
		• No hole in humid environment	No holes before 25,600 cycles	5.5.2
	Water steam permeability	21,1 mg/cm² h	≥ 2,0 mg/cm² h	5.5.3
	Chromium VI content (if leather)	N/A	Not detectable	5.5.5
Lycra	Tear resistance	33 N	≥ 15 N	5.5.1
	Abrasion resistance	• No dry hole	No holes before 51,200 cycles	5.5.2
		• No hole in humid environment	No holes before 25,600 cycles	5.5.2
	Water steam permeability	27, 0 mg/cm² h	≥ 2,0 mg/cm² h	5.5.3
	Chromium VI content (if leather)	N/A	Not detectable	5.5.5

Sole

Materials	Description	Value	Minimum Requirement	Norm
Single density AirTech outsole	Crampon height	4,6 mm	≥ 2,5 mm	5.8.1.3
	Tear resistance	10,0 kN/m	≥ 5 kN/m	5.8.2
	Abrasion resistance	172 mm³	≤ 250 mm³	5.8.3
	Flexural strength after 30,000 cycles	2,2 mm	≤ 4,0 mm	5.8.4
	Flexural strength after 150,000 cycles (hydrolysis)	2,5 mm	≤ 6,0 mm	5.8.5
	Tread-midsole detachment	N/A	> 4 N/mm; ≥ 3 N/mm with sole tear*	5.8.6
	Hydrocarbon resistance FO (volume change)	4 %	≤ 12%	6.4.2

Issued by: Innovation Director Ing. Cataldo De Luca **Signature**

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