

TECHNICAL SHEET



Article: **B0657 PADDLE**
 Norm: **UNI EN ISO 20345:2011**
 Safety Class: **S1 P SRC**

Footwear height: **Mod. A, H 85 mm (< 113 mm; Ref. EN 20345-5.2.2)**

Width: **10**

Weight (size 42) **543 gr.**

Construction: **STROBEL; INJECTED BIDENSITY SOLE**

Cleaning and maintenance: *Use only soft brushes and water. Do not use substances like alcohol, thinners, gasoline, oil or any other chemicals. Keep the footwear, dry and clean, in a proper place at room temperature.*

Suggested fields: *Building, light industry, services, automotive, automated lines.*

Entire footwear: components

Component	Description	Value	Norm Requirements	EN ISO 20345
Metal-free SLIMCAP toe-cap	Impact resistance (200 J) • Free height after impact	15,0 mm	≥ 14 mm	5.3.2.3
	Compression resistance (15 kN) • Free height after compression	15,5 mm	≥ 14 mm	5.3.2.4
Sole (SRC)	Slip resistance			
	• SRA – Sole (entire sole)	0,38	≥ 0,32	5.3.5.4
	• SRA – Heel (Angle of 7°)	0,32	≥ 0,28	5.3.5.4
	• SRB – Sole (entire sole)	0,18	≥ 0,18	5.3.5.4
	• SRB – Heel (Angle of 7°)	0,13	≥ 0,13	5.3.5.4
Fresh'n Flex (P)	Puncture resistance	No perforation	≥ 1100 N	6.2.1.1.2
Footbed (A)	Antistatic properties			
	• Electrical resistance	Dry: 4,45 x 10 ⁸ Ω Humid: 7,63 x 10 ⁷ Ω	≥ 10 ⁵ Ω , ≤ 10 ⁹ Ω ≥ 10 ⁵ Ω , ≤ 10 ⁹ Ω	6.2.2.2 6.2.2.2
Sole/Upper Heat (HI) Cold (CI)	Thermal insulation			
	• Insole temperature increase • Insole temperature decrease	N/A N/A	≤ 22°C ≤ 10°C	6.2.3.1 6.2.3.2
Heel (E)	Shock-absorption in the heel region	29 J	≥ 20 J	6.2.4
(WR)	Water resistance (Water absorption)	N/A	≤ 3 cm ²	6.2.5
(M)	Metatarsal protection	N/A	≥ 40 mm	6.2.6

Upper				
Component	Description	Value	Norm Requirements	EN ISO 20345
Technical textile	Tear resistance	160 N	≥ 60 N	5.4.3
	Traction resistance	N/A	≥ 15 N/mm ²	5.4.4
	Water steam permeability	38 mg/cm ² h	≥ 0.8 mg/cm ² h	5.4.6
	Water steam coefficient	305 mg/cm ²	≥ 15 mg/cm ²	5.4.6
	pH value	N/A	≥ 3,2	5.4.7
	Chromium VI	N/A	Not detectable	5.4.9
	Water passed	N/A	≤ 0.2 g	6.3
	Water absorption	N/A	≤ 30%	6.3

Lining				
Component	Description	Value	Norm Requirements	EN ISO 20345
3D hi-tech fabric	Tear resistance	47 N	≥ 15 N	5.5.1
	Abrasion resistance	<ul style="list-style-type: none"> Dry : the surface shows no holes humid: the surface shows no holes 	No holes till 51.200 cycles	5.5.2
			No holes till 25.600 cycles	5.5.2
	Water steam release	21,1 mg/cm ² h	≥ 2,0 mg/cm ² h	5.5.3
	pH value	N/A	Not detectable	5.5.4
	Chromium VI	N/A	Not detectable	5.5.5

Insole				
Component	Description	Value	Norm Requirements	EN ISO 20345
Fresh'n Flex	Thickness	3,7 mm	≥ 2,0 mm	5.7.1
	pH value	N/A	Not detectable	5.7.2
	Water absorption	86 mg/cm ²	≥ 70 mg/cm ²	5.7.3
	Water release	94 %	≥ 80 %	5.7.3
	Abrasion resistance (after 400 cycles)	No damage	Damage ≤ to norms reference	5.7.4.1
			Not detectable	5.7.5
	Chromium VI	N/A	Not detectable	5.7.5

Removable footbed				
Component	Description	Value	Norm Requirements	EN ISO 20345
Dry'n Air	Thickness	3,5±0,5 mm	N/A	5.7.1
	pH value	N/A	Not detectable	5.7.2
	Water absorption	Permeable	Permeable or ≥ 70mg/cm ²	5.7.3
	Water release	Permeable	Permeable or ≥ 80%	5.7.3
	Abrasion resistance	No damage	Dry no holes till 25600 cycles	5.7.4.2
			Humid no holes till 12800 cycles	5.7.4.2
	Chromium VI	N/A	Not detectable	5.7.5

*Footwear also certified with DRY'N AIR SCAN&FIT RECORD footbeds

Sole						
Component	Description	Value	Norm Requirements	EN ISO 20345		
PU Midsole	Sole thickness without profiles	6 mm	≥ 4 mm	5.8.1.1		
	Profile height	2,7 mm	≥ 2,5mm	5.8.1.3		
	Tear resistance	5,7 kN/m	≥ 5 kN/m	5.8.2		
Outsole TPU SKIN: (TPU high density)	Abrasion resistance	<ul style="list-style-type: none"> relative volume loss 	38 mm ³	≤ 250 mm ³	5.8.3	
			Flexion resistance	1,8 mm	≤ 4 mm	5.8.4
	Notches increase after 30.000 cycles	2 mm	≤ 6 mm	5.8.5		
			Tread- Midsole detachment	N/A	≥ 4 N/mm; (*) ≥ 3 N/mm with sole ripping	5.8.6
			(HRO) Contact heat resistance (300°C)	N/A	No damage (melting, breaking)	6.4.1

(FO) Fuel resistance (volume changes)

0,7 %

≤ 12%

6.4.2

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