



TECH SHIELD - FLEX S3

Réf. : 70111



Suitable for :	Outside
Type :	Ankle shoe
Activity :	Construction / Manufacturing and assembly / Electronic Industry, ESD
Upper :	Water resistant full supple leather
Lining :	KENZO® + ON TEX® waterproof membrane, up to the toes, slipper feeling
Tongue :	Bellows tongue in ON STEM® microfiber, lined with KENZO® + ON TEX® membrane, and padded
Ankle protection :	ON STEAM® microfiber, lining with KENZO® + ON TEX® waterproof membrane and padded
Fastening :	Plastic hooks and round polyester black laces
Toe cap :	Ultralight and extra wide 200 joules, Composite LIGHT SYSTEM®
Midsole :	Composite FLEX SYSTEM®, anti-magnetic and thermal insulated
Insole :	Thermoformed in active carbon dual density foam, antistatic, ESD and antibacterial FRESH TECH®
Sole :	PU 2D, TECH SOLE® ankle anti-twist system, oil resistant FO, antistatic, HI-CI
Sole pattern :	Multi-purpose cleated indoor/outdoor outsole, well-defined heel, cleated arch, SRC standard
Weight (Kg/pair) :	1.200
Colors :	Black upper and dark grey/black outsole
Sizes :	35-48 (2-13)
Standard :	EN ISO 20345:2011 SRC / EN 61340-5-1 / DGUV 112-191
CE certificate of conformity N° :	0075/020/161/08/17/1266 - EXT 06/09/17
Special features :	Waterproof membrane
Special features 2 :	Lateral reflective piece
Special features 3 :	

SPECIAL FEATURES

-  Integral 100% composite (Air System + Light System + Flex System)
-  Water absorption and penetration resistance of upper (WRU)
-  Electro Static Discharge Standard EN 61340-5-1



GENERAL FEATURES

	Antistatic properties (A)	YES	YES
	Heel energy absorption (E)	YES	YES
	Abrasion resistance	YES	YES
	Crampon sole	YES	YES
	Heat-insulated sole (HI)	YES	YES
	Cold-insulated sole (CI)	YES	YES
	200 joule extra-wide toecap	YES	YES
	Hyper-ventilated lining	YES	YES
	Perforation-resistance 1100 N (P)	YES	YES

Technical data sheet with Mid sole

Ref : 70111 S3 SHIELD FLEX

CE Attestation N° : 0075/020/161/08/17/1266

Extension code : 06/09/17

Revision date : 20/04/2009

<u>THE SOLE</u>			<u>THE UPPER</u>		
Resistance to shock	MTS	Norm	Colour NOIR	Thickness	MTS Norm
Clear space in mm at impact	16.00	>=14	Material used	Crazy black	20/22 1.5
Resistance to crushing			Resistance to tearing	Yes	>120
Clear space in mm under 15000N of constraint	18.00	>=14	Permeability to water vapor (mg/cm2.h)	4.80	>0.8
Conformity of the staples	Yes	Yes	Water vapor facor (mg/cm2)	46.10	>15
Sole width in mm	9.40	>4	Leather acidity (pH)	3.75	>3.2
Staple height in mm	3.40	>2	Time or the water to pass through in minutes	120	60
Resistance of tearing in kN/m	11.70	>8	Quantity of water absobed in % after 1h	15.00	<30
Resistance to abrasion : density	1.05	>0.9	Difference index	0.04	<0.7
Resistance to abrasion : loss of volume (mm3)	15.00	<150	<u>THE LINING OF THE FRONT PART</u>		
Hydrolysis (increase of the notch in mm after 150.000 flexions)	0.00	<6	Material used	Doublure Sympatex	
Resistance to hydrocarbons (Increase in volume in %)	0.00	<12	Thickness	1	0.8
Necessary force to perfore the sole (N)	1200	>=1100	Abrasion : testing in dry atmosphere	>25600	25600
Conformity of the sole	Yes	Yes	Abrasion : testing in humid atmosphere	>12800	12800
Conformity of the mid-sole dimensions	Yes	Yes	Permeability to water vapor (mg/cm2.h)	3.8	>2
Antistatism : resistance to dry atm. (megaohms)	85	0.1<V<1000	Water vapor factor (mg/cm2)	30.8	>20
Antistatism : resistance to humid atm. (megaohms)	19	0.1<V<1000	<u>THE INSOLE</u>		
Heel shock absorber	36	>20	insert Anti-perforation composite	2.8	2
Resistance of the upper/sole adherence (N/mm)	4.50	>4	Water absorption in %	80	>35
			Water desorption in %	96	>40
			Cycles needed to obtain the tearing of the surface	>400	400
Slip resistance EN ISO 20345:A1 SRA Ceramic	0.43	>=0.32	<u>THE SEWING THREAD</u> 100 % Polyamide		
Slip resistance EN ISO 20345:A1 SRB Steel	0.23	>=0.18	<u>THE LACES</u> 100 % Polyester - Embout en Acetate de Cellulose		

Sole specification :

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S.A.S. au capital de 573.840 € - R.C. B778 115 436 - Siret 778 115 436 00017 - APE : 193 Z - TVA CEE : FR 95 778 115 436

Model specification : WR Waterproof lining

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