

# Technical data sheet with Mid sole

Ref : **45831 S3 VICKERS ESD FLEX**

N° PPE Directive (89/686/ECC):  
0075/020/161/03/13/0174 EXT 24/05/15

N° PPE Régulation (2016/425):  
0075/020/161/03/18/0511 EXT 19/04/18

Revision date : 20/04/2009

<u>THE SOLE</u>			<u>THE UPPER</u>		
	MTS	Norm		MTS	Norm
Resistance to shock			<i>Colour</i> NOIR	<i>Thickness</i> 20/22	1.5
Clear space in mm at impact	14.00	>=14	<i>Material used</i>	Art corte hidro ras 2.0/2.2 negro	
Resistance to crushing			<i>Resistance to tearing</i>	Yes	>120
Clear space in mm under 15000N of constraint	19.50	>=14	<i>Permeability to water vapor (mg/cm2.h)</i>	4.70	>0.8
Conformity of the staples	Yes	Yes	<i>Water vapor facor (mg/cm2)</i>	48.50	>15
Sole width in mm	6.00	>4	<i>Leather acidity (pH)</i>	3.30	>3.2
Staple height in mm	3.00	>2	<i>Time or the water to pass through in minutes</i>	120	60
Resistance of tearing in kN/m	11.00	>8	<i>Quantity of water absobed in % after 1h</i>	5.00	<30
Resistance to abrasion : density	1.15	>0.9	<i>Difference index</i>	0.45	<0.7
Resistance to abrasion : loss of volume (mm3)	20.00	<150	<u>THE LINING OF THE FRONT PART</u>		
Hydrolysis (increase of the notch in mm after 150.000 flexions)	0.00	<6	<i>Material used</i>	Non tissé aiguilleté blanc	
Resistance to hydrocarbons (Increase in volume in %)	3.00	<12	<i>Thickness</i>	1.1	0.8
Necessary force to perfore the sole (N)	1200	>=1100	<i>Abrasion : testing in dry atmosphere</i>	>25600	25600
Conformity of the sole	Yes	Yes	<i>Abrasion : testing in humid atmosphere</i>	>12800	12800
Conformity of the mid-sole dimensions	Yes	Yes	<i>Permeability to water vapor (mg/cm2.h)</i>	24	>2
Antistatism : resistance to dry atm. (megaohms)	448	0.1<V<1000	<i>Water vapor factor (mg/cm2)</i>	189	>20
Antistatism : resistance to humid atm. (megaohms)	20	0.1<V<1000	<u>THE INSOLE</u>		
Heel shock absorber	37	>20		2.8	2
Resistance of the upper/sole adherence (N/mm)	5.30	>4	<i>insert Anti-perforation composite</i>		
Slip resistance EN ISO 20345:A1 SRA Ceramic	0.39	>=0.32	<i>Water absorption in %</i>	80	>35
Slip resistance EN ISO 20345:A1 SRB Steel	0.21	>=0.18	<i>Water desorption in %</i>	96	>40
			<i>Cycles needed to obtain the tearing of the surface</i>	>400	400
			<u>THE SEWING THREAD</u> 100 % Polyamide		
			<u>THE LACES</u> 100 % Polyester - Embout en Acetate de Cellulose		

## Sole specification : ESD

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## Model specification : Chaussures dissipatrice Classe 3

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