

Article	HARLEM
Category	S3 SRC
Sizes	36 - 47
Width	11
Weight (half pair, sz 42)	560 gr
Metal free	No
Certification	CE

<b>UPPER</b>	Water resistant grain leather
<b>LINING</b>	3D breathable fabric
<b>TOE CAP</b>	aluminium 200J. Ergonomic shape to improve comfort and shoe design. 50% lighter than steel toecaps
<b>ANTI-PERFORATION MIDSOLE</b>	non-magnetic, perforation resistance composite fabric plate. It is 40% lighter and more flexible than steel plate and at the same time guarantees an optimal protection covering 100% of the foot surface. Certified EN 12568:2010
<b>FOOTBED</b>	assures a cushioning effect on all the foot surface thanks to the multiple 3D-structure in soft PU. Anti-static, breathable, lined with anti-abrasion fabric
<b>SOLE</b>	PU flat sole for a better stability. Optimal anti-slip performances

ALU-S

Shield PRO



## METROPOLIS collection

	Requirements EN ISO 20345:2011	Test Results
<b>UPPER</b>		
Water Vapour Permeability	mg/cmq*h ≥ 0,8	5,5
Water Vapour Coefficient	mg/cmq ≥ 15	49,7
<b>LINING</b>		
Water Vapour Permeability	mg/cmq*h ≥ 2	5,9
Water Vapour Coefficient	mg/cmq ≥ 20	53
<b>TOECAP</b>		
Impact resistance: clearence under the toecap	mm ≥ 14	14,5
Compression resistance: clearence under the toecap	mm ≥ 14	20
<b>ANTI-PERFORATION MIDSOLE</b>		
Penetration resistance (EN ISO 12568:2010)	N ≥ 1100	≥ 1100
<b>ELECTRICAL RESISTANCE</b>		
- wet condition (85% relative humidity)	MΩ ≥ 0,1	4
- dry condition (30% relative humidity)	MΩ ≤ 1000	178
<b>SOLE</b>		
Abrasion resistance: relative volume loss	mm' ≤ 150	35
Flexing resistance: cut growth	mm ≤ 4	0
Resistance to fuel oil: volume increase	% ≤ 12	1,2
Energy absorption of seat region	J ≥ 20	21
Slip resistance on	7° Heel ≥ 0,13	0,16
steel ground with glycerine	Flat ≥ 0,18	0,31
Slip resistance on	7° Heel ≥ 0,28	0,29
ceramics ground with detergent	Flat ≥ 0,32	0,45

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