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TEST REPORT



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检测
TESTING
CNAS L0220

Number: GZHT91280631

Date: Aug 22, 2024

Applicant: CORTINA N.V.
MEERSBLOEM-MELDEN 42,
9700 OUDENAARDE, BELGIUM
Attn: REBECCA/JENNY

Sample Description:

Two (2) groups of submitted samples said to be:
 (A) Three (3) pairs of Men 's Cemented safety shoes in White.
 (B) Five (5) pairs of non-metallic insoles.

Standard	: ASTM F2413-24
Size	: Men US 9
Buyer's Name	: CORTINA
Ref. No	: --
Brand	: SAFETY JOGGER
Manufacturer	: CORTINA
Colour	: White
Vendor	: --
Supplier	: --
Style No. / Name	: PACCO S1P S LOW(PACCOS1PSL)
Sole	: Phylon+ Rubber
Insert Plate	: SJ FLEX composite Insert
Toe Cap	: Composite Toecap 1701G
Upper	: White SJ Microfiber (Polyurethane) + White Lowna Polyester Mesh
Vamp Lining	: White Tricot
Quarter Lining	: White Polyester SJ BK Mesh
Seat Region Lining	: White Polyester SJ BK Mesh
Insole	: SJ FLEX composite insert
Collar	: Silver Reflective PU
Tongue	: White SJ Microfiber (Polyurethane) + White Lowna Polyester Mesh
Insock	: Dark Grey Polyester Mesh+ SJFOAM2 Memory IND
Ref.	: Safety Low shoes in White
Country Of Origin	: --
Goods Exported To	: EU/US
Date Received/Date Test Started	: Aug. 16, 2024
Date Final Information Confirmed:	

Test Result Please Refer To Attached Page(S).

Should you have any query on this report, you may contact at gzfootwear@intertek.com

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch

Guiliang Dong
Senior Lab Manager



HT / jackiezheng

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1 Protective Toe Impact Resistance (I) (ASTM F2412-24, 5, Impact Energy: 101.7 J (75 ft-Ib), Testing Performed At 22 °C And 50 % RH)

(A)		ASTM F2413-24 Requirement	Pass / Fail
	Interior Height Clearance		
Left:	20.0 mm	≥ 12.7 mm	Pass
Right:	20.7 mm	≥ 12.7 mm	Pass
Left:	20.5 mm	≥ 12.7 mm	Pass

2 Protective Toe Compression Resistance (C) (ASTM F2412-24, 6, Compressive Force: 11 121 N (2 500 lbf), Testing Performed At 22 °C And 50 % RH)

(A)		ASTM F2413-24 Requirement	Pass / Fail
	Interior Height Clearance		
Left:	25.3 mm	≥ 12.7 mm	Pass
Right:	25.2 mm	≥ 12.7 mm	Pass
Right:	26.1 mm	≥ 12.7 mm	Pass

3 Static Dissipative Footwear (SD) (ASTM F2412-24, 10, Conditioned At 22 °C And 50 % RH For 24 h And Testing Performed At The Same Conditions.)

	(A)	ASTM F2413-24 Requirement	Pass/Fail
Sample 1	Left	$3.6 \times 10^6 \Omega$	*
	Right	$3.7 \times 10^6 \Omega$	*
	One Pair	$2.7 \times 10^6 \Omega$	*
Sample 2	Left	$5.5 \times 10^6 \Omega$	*
	Right	$3.5 \times 10^6 \Omega$	*
	One Pair	$3.1 \times 10^6 \Omega$	*
Sample 3	Left	$4.2 \times 10^6 \Omega$	*
	Right	$3.3 \times 10^6 \Omega$	*
	One Pair	$2.8 \times 10^6 \Omega$	*

Remark: * = SD 10: $1 \times 10^6 \Omega \sim 1 \times 10^7 \Omega$

4 Slip Resistant Footwear (SRO) (ASTM F2913-19)

Conditioning Test Specimen		Test Condition	
Temperature	(23±2) °C	Atmosphere	(23±2) °C, (50±5)% RH
Relative Humidity	(50±5)% RH	Test Surface	Flat Unglazed Clay Quarry Tile
Period	At Least 3 Hours	Vertical Force	500 N

(A)

Size	Sequence	Conditions	Modes	Results (COF)	ASTM F2413-24 Requirement	Pass/Fail
9 (Left)	Dry Then Wet	Dry	Forward Heel Slip	0.79	Min. 0.40	Pass
			Backward Forepart Slip	0.85	Min. 0.40	Pass
		Wet	Forward Heel Slip	0.64	Min. 0.40	Pass
			Backward Forepart Slip	0.67	Min. 0.40	Pass
9 (Right)	Wet Then Dry	Wet	Forward Heel Slip	0.63	Min. 0.40	Pass
			Backward Forepart Slip	0.66	Min. 0.40	Pass
		Dry	Forward Heel Slip	0.80	Min. 0.40	Pass
			Backward Forepart Slip	0.85	Min. 0.40	Pass
9 (Right)	Dry Then Wet	Dry	Forward Heel Slip	0.80	Min. 0.40	Pass
			Backward Forepart Slip	0.86	Min. 0.40	Pass
		Wet	Forward Heel Slip	0.61	Min. 0.40	Pass
			Backward Forepart Slip	0.65	Min. 0.40	Pass
9 (Left)	Oily Wet (#)		Forward Heel Slip	0.42	Min. 0.33	Pass
			Backward Forepart Slip	0.40	Min. 0.33	Pass
9 (Right)			Forward Heel Slip	0.43	Min. 0.33	Pass
			Backward Forepart Slip	0.40	Min. 0.33	Pass
9 (Right)			Forward Heel Slip	0.42	Min. 0.33	Pass
			Backward Forepart Slip	0.39	Min. 0.33	Pass

Remark: # = 0.2±0.02 g (Approximately 8 Drops) Of Corn Oil With Distilled Water

Note: It Must Be Noted That The Slip Resistance Test Carried Out In This Report Denotes An Indication Of Slip Of This Particular Footwear/Component On The Surface Mentioned In The Test Item. It Is Important To Note That Footwear Is Subjected To Many Different Conditions Encountered In Everyday Use And That It Is Impossible To Make Footwear Resistant To Slip In All Conditions. Nevertheless, It Is Generally Accepted That Problems Are Minimized If The Guideline Coefficients Of Friction Are Achieved.



End Of Report

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Remark:

1. As Requested by the Applicant, For Details Refer to Attached Page (S).
2. All the tested item are tested under the standard condition.
3. The report is valid with commission test only for the test samples in the case of delivering samples by clients.