

Test Report

SL92009254642701FW

Date: May 14, 2020

Page 1 of 6

Applicant: CORTINA N.V.
MEERSBLOEM- MELDEN 42,
B-9700 OUDENAARDE, BELGIUM

Attn: Peter De Mezure

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A) Three pieces of low shoes in black
(B) Three pieces of ankle boots in black
(C) Nine pieces of steel plate in black

Buyer : SAFETY JOGGER
Manufacturer : CORTINA NV
Ref. No. : A. RENA B. LABOR
Last No : ABEL
Country of Origin : China
Goods Exported to : Belgium, United States
Size : Men's US 9
Construction : Cemented
Toe cap : Steel Toe
Insert Plate : Steel Plate
Sole : Black Rubber
Upper : Black Embossed split leather
Vamp Lining : White Polyester Non-woven fabric
Quarter Lining : Gray Polyester Mesh
Counter Lining : Gray Polyester Mesh
Tongue : Black PU
Collar : Black PU
Lace : Black/Gray Polyester
Eyelet : Black Metallic D-ring
Sewing Thread : Gray Polyester
Insole : Polyester Non-Woven Insole Board
In-sock : Black BK mesh + SJHBRID(EVA)
Standards : ASTM F2413-18

Sample Receiving Date : May 07, 2020
Testing Period : May 07, 2020 - May 14, 2020

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Test Performed : Selected test(s) as requested by applicant



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Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch



Hanson Chen (Approved Signatory)



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Test Result

Impact Resistance

(ASTM F2412-18a, Clause 5;)

(A)	No. 1	No. 2	No. 3	Average	Requirement
Internal Height Clearance(mm)	21.1	19.7	20.2	20.3	Min. 12.7 mm
Conclusion		Pass			

Compression Resistance

(ASTM F2412-18a, Clause 6;)

(B)	No. 1	No. 2	No. 3	Average	Requirement
Internal Height Clearance(mm)	24.7	24.6	23.8	24.3	Min. 12.7 mm
Conclusion		Pass			

Static Dissipative

(ASTM F2412-18a, Clause 10; Test Voltage: 50 V)

	No. 1	No. 2	No. 3	Average	Requirement
Electrical Resistance (Left)(mΩ)	17.2 (#1)	7.6 (#2)	11.8 (#1)	12.2	SD 35: 1 ~ 35 MΩ
Electrical Resistance (Right)(mΩ)	8.2 (#1)	4.9 (#2)	13.4 (#2)	8.8	SD 35: 1 ~ 35 MΩ
Electrical Resistance (One Pair)(mΩ)	8.8 (#1)	11.4 (#2)	19.4 (#1+#2)	13.2	SD 35: 1 ~ 35 MΩ
Conclusion		Pass			

Remark:

#1=sample A

#2=sample B



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Puncture Resistance

(ASTM F2412-18a, Clause 11.5;)

(C)	No. 1	No. 2	No. 3	Requirement
Assessment(No Unit)	No Visually penetration.	No Visually penetration.	No Visually penetration.	See Remark

Conclusion

Pass

Remark: When viewed at 90°angle, the tip of the tes t pin does not visually penetrate beyond the face of the material nearest the foot, after an applied force of 1200N

Corrosion Resistance For Puncture Resistance Plates

(ASTM F2412-18a, Clause 11.8;Concentration of salt solution: 5 %; Exposure period: 24 h)

(C)	No. 1	No. 2	No. 3	Requirement
Assessment(No Unit)	No signs of corrosion	No signs of corrosion	No signs of corrosion	See Remark

Conclusion

Pass

Remark: No signs of corrosion, de-lamination, or deterioration after exposure .



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Slip Resistance (ASTM F2913-2017)

Test Surface: Ceramic tile

Vertical force: 500.1 N

Coefficient of Friction	Sample A (Left)		Requirement
	<u>Heel part</u>	<u>Flat contact</u>	
0.5% SLS	0.45	0.57	--

Test Surface: Steel

Vertical force: 500.1 N

Coefficient of Friction	Sample A (Left)		Requirement
	<u>Heel part</u>	<u>Flat contact</u>	
Glycerol	0.25	0.41	--

Remark: This test item is not accredited under the CNAS accreditation scope.

The performance of slip resistance can be affected by surface roughness, presence of water, contaminants such as grease and other foreign materials, and floor surface wear over time.



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Sample Photo



The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration.

End of Report

