

Test Report

SL92009278106601FW

Date: August 07, 2020

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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. Two pairs of low shoes in black
B. One pair of ankle boots in black
C. Nine pieces of steel plates

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
Protective toe cap : Steel
Protective insole : Steel
Upper : Black Embossed split leather
Vamp Lining : White Polyester Non-woven fabric
Quarter Lining : Gray polyester Mesh
Counter Lining : Gray polyester Mesh
Insole : Polyester Non-Woven Insole Board
In-sock (foot-bed) : Black polyester SJ BK mesh+ SJFOAM(PU)
Sole (Midsole & Outsole) : RUBBER
Standards : ASTM F2413-18

Sample Receiving Date : Jul 24, 2020

Testing Period : Jul 24, 2020 - Aug 07, 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

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



Hanson Chen (Approved Signatory)



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Conclusion	A Size 9#	B Size 9#	C	Remark
Impact Resistance	PASS	PASS	-	
Compression Resistance	PASS	PASS	-	
Static Dissipative	PASS	-	-	
Puncture Resistance	-	-	PASS	
Flexing Resistance For Puncture Resistance Plates	-	-	PASS	
Corrosion Resistance For Puncture Resistance Plates	-	-	PASS	



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Test Result

Impact Resistance

(ASTM F2412-18a, Clause 5;)

	No. 1 (sample B Size 9#- left)	No. 2 (sample A Size 9#- left)	No. 3 (sample A Size 9#- right)	Average	Requirement
Internal Height Clearance(mm)	23.6	25.3	25.7	24.8	Min. 12.7 mm

Conclusion PASS

Compression Resistance

(ASTM F2412-18a, Clause 6;)

	No. 1 (sample B Size 9#- right)	No. 2 (sample A Size 9#- right)	No. 3 (sample A Size 9#- left)	Average	Requirement
Internal Height Clearance(mm)	27.8	24.2	26.5	26.1	Min. 12.7 mm

Conclusion PASS

Static Dissipative

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

(A Size 9#)

	No. 1	No. 2	No. 3	Average	Requirement
Electrical Resistance (Left) (MΩ)	3.8	3.7	3.5	3.7	SD 10: 1 ~ 10 MΩ
Electrical Resistance (Right) (MΩ)	3.2	3.4	3.1	3.2	SD 10: 1 ~ 10 MΩ
Electrical Resistance (One Pair) (MΩ)	2.7	2.8	2.4	2.6	SD 10: 1 ~ 10 MΩ

Conclusion PASS

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



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



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Flexing Resistance For Puncture Resistance Plates

(ASTM F2412-18a, Clause 11.7;)

(C)

	No. 1	No. 2	No. 3	Requirement
Assessment(No Unit)	No visible signs of cracking	No visible signs of cracking	No visible signs of cracking	See Remark

Conclusion

PASS

Remark: The specimen shall show no visible signs of cracking after it have been subjected to 1.5×10^6 flexes.

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 being exposed to a 5% salt solution for 24 hours.



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Sample Photo



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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



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