



中国认可
国际互认
检测
TESTING
CNAS-L0167

Test Report

SL92419280966701FW-1

Date: June 01, 2024 Page 1 of 8

Applicant: CORTINA NV
MEERSBLOEM- MELDEN 42,
9700 OUDENAARDE, BELGIUM

Attn: Peter De Mezure

THIS REPORT SUPERSEDES TEST REPORT NO.SL92419280966701FW DATE: 2024-05-10 ISSUED BY SGS (Guangzhou), ORIGINAL REPORT IS INVALID FROM TODAY. UPDATED SAMPLE INFORMATION.

The following products were identified on behalf of the client as:

Group Reference : X1110/ X1110 S3 AHX(X1110AHX)
X1100N/ X1100N S3 AHX(X1100NAHX)
X1110/ X1110 S3 AHX(X1110AHX) Low Shoe in Black
X1100N/ X1100N S3 AHX(X1100NAHX) Ankle Boot in Black
Model(s) Description : X1110/ X1110 S3 AHX(X1110AHX) Low Shoe in Black
X1100N/ X1100N S3 AHX(X1100NAHX) Ankle Boot in Black
LX1110 AHX(LX1110) Low Shoe in Black
LX1100N AHX(LX1100N) Ankle Boot in Black

The following sample(s) was/were submitted for testing:

Sample Description : (A) Three pairs of Low Shoe in Black
(B) Four and half pair of SJ FLEX Composite Insert

Buyer's Name : CORTINA
Brand : SAFETY JOGGER
Manufacturer : CORTINA
Size : Men's US9
Model Name : X1110/ X1110 S3 AHX(X1110AHX)
Toecap : SJ Composite toecap 604A
Puncture Resistant Device : SJ FLEX Composite Insert
Sole : PU+PU
Upper : Black SJ Nappa Action Cow Leather
Collar : Black SJ Nappa PU
Tongue : Black Suede Microfiber
Vamp Lining : White Non-woven
Quarter Lining : Black SJ Cambrella Non-woven (Polyester)
Counter Lining : Black SJ Cambrella Non-woven (Polyester)
Insole : Grey Polyester Non-Woven Fabric
In-sock (foot-bed) : Dark Grey Polyester Mesh + SJFOAM2 Industrial (PU)/SJ3FIT (MID)
Standard : ASTM F2413-18



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Sample Receiving Date : Apr 25, 2024
 Testing Period : Apr 25, 2024 ~ Jun 01, 2024
 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).

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

Asan Huang (Approved Signatory)

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Conclusion	A US 9#	B	Remark
Impact Resistance	P	-	
Compression Resistance	P	-	
Static Dissipative	P	-	
Puncture Resistance	-	P	
Flexing Resistance For Puncture Resistance Plates	-	P	
Corrosion Resistance For Non-metallic Puncture Resistance Plates	-	P	

Remark(s) : P = Meet Client's Requirement.
 F = Below Client's Requirement.
 # = No Specified Requirement.
 NA = Not Applicable.



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Test Result

Impact Resistance

(ASTM F2412-18a, Clause 5; Impact energy: 101.75 J)

A US 9#

	No. 1	No. 2	No. 3	Requirement
Internal Height Clearance(mm)	18.7	18.0	19.0	Min. 12.7 mm

Conclusion

Pass

Compression Resistance

(ASTM F2412-18a, Clause 6; Compression load: 2500 lbf)

A US 9#(Left)

	No. 1	Requirement
Internal Height Clearance(mm)	25.3	Min. 12.7 mm

Conclusion

Pass

A US 9#(Right)

	No. 2	No. 3	Requirement
Internal Height Clearance(mm)	24.6	24.3	Min. 12.7 mm

Conclusion

Pass

Static Dissipative

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

A US 9#

	No. 1	No. 2	No. 3	Average	Requirement
Electrical Resistance (Left)(MΩ)	11.4	11.8	13.3	12.2	SD 100: 1 ~ 100 MΩ
Electrical Resistance (Right)(MΩ)	9.2	11.3	13.0	11.2	SD 100: 1 ~ 100 MΩ
Electrical Resistance (One Pair)(MΩ)	6.2	8.0	7.6	7.3	SD 100: 1 ~ 100 MΩ

Conclusion

Pass



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Puncture Resistance

(ASTM F2412-18a, Clause 11.5)

B

	No. 1	No. 2	No. 3	Requirement
Assessment (Specimen 1)	No visually penetration	No visually penetration	No visually penetration	See Remark
Assessment (Specimen 2)	No visually penetration	No visually penetration	No visually penetration	See Remark
Assessment (Specimen 3)	No visually penetration	No visually penetration	No visually penetration	See Remark

Conclusion

Pass

Remark: 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

Flexing Resistance For Puncture Resistance Plates

(ASTM F2412-18a, Clause 11.7)

B

	No. 1	No. 2	No. 3	Requirement
Assessment	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 delamination of layers or cracking after 1.5 x 10⁶ flexes.

Corrosion Resistance For Non-metallic Puncture Resistance Plates

(ASTM F2412-18a, Clause 11.8; Concentration of salt solution: 5 %; Exposure period: 24 h in accordance with practice ASTM B117-19 (For non-Metallic))

B

	No. 1	No. 2	No. 3	Requirement
Assessment	No signs of de-lamination and deterioration	No signs of de-lamination and deterioration	No signs of de-lamination and deterioration	See Remark

Conclusion

Pass

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



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Sample Photo



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The sample has not been tested and provided by the client for reference only

Product information is provided by applicant without verification or authentication of the brand.

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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