

Test Report

SL91949311870401FW

Date: December 16, 2019

Page 1 of 7

Applicant: CORTINA N.V.  
MEERSBLOEM- MELDEN 42,  
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 pairs of Low Shoes in black  
B: One pair of Low Shoes in navy  
C: Three pairs of Composite Plate

Style name : (A). YUKON BLACK (B). YUKON NAVY  
Manufacturer : CORTINA NV  
Style Name : Men Casual Safety Low  
Style or PO Number : (A) YUKON BLACK  
(B) YUKON NAVY  
Buyer/Brand : SAFETY JOGGER  
Country of Origin : CHINA  
Size : Men's US 9  
Construction : Injection  
Toe cap : Steel Toecap  
Inset plate : Composite Plate  
Upper : (A) BLACK MICROFIBER SUEDE + BLACK SOMBO NYLON +BLACK OXY  
NEOPRENE SINGLE  
(B) BLACK MICROFIBER SUEDE +NAVY SOMBO NYLON+NAVY OXY  
NEOPRENE SINGLE  
Vamp Lining : Grey Polyester Non-Woven Fabric  
Quarter Lining : (A) BLACK SOMBO NYLON +BLACK OXY NEOPRENE SINGLE  
(B) NAVY SOMBO NYLON + NAVY OXY NEOPRENE SINGLE  
Counter Lining : BLACK POLYESTER NON-WOVEN  
Insole : Composite Plate  
In-sock : BLACK BK MESH NYLON + SJ HYBRID  
Tongue : (A) BLACK OXY NEOPRENE SINGLE (B) NAVY OXY NEOPRENE SINGLE  
Collar : (A) BLACK OXY NEOPRENE SINGLE (B) NAVY OXY NEOPRENE SINGLE  
Sewing thread : WHITE POLYESTER  
Sole : Black PU /PU  
Standards : ASTM F2413-18  
Sample Receiving Date : Dec 03,2019  
Testing Period : Dec 03,2019 - Dec 10,2019  
Test Result(s) : 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



Asan\_Huang(Technical Manager)



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Test Result

**Protective Toe Impact Resistance (ASTM F2412-18a, 5)**

Test condition:

Impact energy: 101.75 J

Sample A:

Gender	Size	Left/Right	Interior Height Clearance (mm)	ASTM F2413-18 Requirement	Pass/Fail
Man	9	Left	19.5	Min. 12.7 mm	Pass
		Left	17.6		
		Right	16.8		
Average (result only)			17.9	-	NA

Remark: The samples are conditioned in (20±2)°C and (50±5)% R.H. for 24 hours before testing and tested in the same atmosphere.

**Protective Toe Compression Resistance (ASTM F2412-18a, 6)**

Test condition:

Compression load: 2500 lb

Sample A:

Gender	Size	Left/Right	Interior Height Clearance (mm)	ASTM F2413-18 Requirement	Pass/Fail
Man	9	Left	20.0	Min. 12.7 mm	Pass
		Right	20.0		
		Right	19.1		
Average (result only)			19.7	-	NA

Remark: The samples are conditioned in (20±2)°C and (50±5)% R.H. for 24 hours before testing and tested in the same atmosphere.



**Static Dissipative (ASTM F2412-18a, 10)**

Test condition:

Test voltage: 50 V

Category of footwear: SD 35

Sample A:

Gender	Size	Left/Right	Electrical resistance (MΩ)				ASTM F2892-18 Requirement	Pass/Fail
			1 <sup>st</sup> pair	2 <sup>nd</sup> pair	3 <sup>rd</sup> pair	Average (result only)		
Man	9	Left	19.5	12.1	14.4	15.3	SD 35: 1~35 MΩ	Pass
		Right	11.4	30.1	11.2	17.5		Pass
		One Pair	8.4	10.2	7.6	8.7		Pass

Remark: The samples are conditioned in (20±2)°C and (50±5)% R.H. for 24 hours before testing and tested in the same atmosphere.

**Puncture Resistance (ASTM F2412-18a, 11.5)**

Test condition:

Penetration force: 1200 N

Sample C:

Specimen	Assessment after applying 1200 N	ASTM F2413-18 Requirement	Pass/Fail
1	No Visually Penetration.	*	Pass
2	No Visually Penetration.		Pass
3	No Visually Penetration.		Pass

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 1200 N.

NOTE: The samples are conditioned in (20±2)°C and (50±5)% R.H. for 24 hours before testing and tested in the same atmosphere.



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**Flex Resistance (ASTM F2412-18a, 11.7 & CSA Z195-14, 6.3.2)**

Sample C:

Specimen	Assessment after 1.5 x 10 <sup>6</sup> Flexes	ASTM F2413-18 Requirement	Pass/Fail
1	No Visible Signs of Cracking.	*	Pass
2	No Visible Signs of Cracking.		Pass
3	No Visible Signs of Cracking.		Pass

Remark: \* = The specimen shall show no visible signs of cracking after it have been subjected to 1.5 x 10<sup>6</sup> flexes.

NOTE: The samples are conditioned in (20±2)°C and (50±5)% R.H. for 24 hours before testing and tested in the same atmosphere.



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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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