

Test Report

SL92439352710101FW

Date: December 06, 2024 Page 1 of 10

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

Attn: Peter De Mezure

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

Group Reference : FREEDOM S1PS LOW (FYTS1PSL)  
FREEDOM S1PS LOW TLS (FYTS1PSLT)  
FREEDOM S1PS MID (FYTS1PSMID)  
FREEDOM S1PS MID TLS (FYTS1PSMT)  
FREEDOM RUN S1PS LOW (FYTRNRS1PS)

Model(s) Description : FREEDOM S1PS LOW (FYTS1PSL) Safety Low Shoe in Black  
FREEDOM S1PS LOW TLS (FYTS1PSLT) Safety Low Shoe in Black  
FREEDOM S1PS MID (FYTS1PSMID) Safety Ankle Boot in Black  
FREEDOM S1PS MID TLS (FYTS1PSMT) Safety Ankle Boot in Black  
FREEDOM RUN S1PS LOW (FYTRNRS1PS) Safety Low Shoe in Black

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

Sample Description : A. Three Pairs of Safety Low Shoe in Black  
B. One Pair of Safety Low Shoe in Black  
C. One Pair of Safety Ankle Boot in Black  
D. One Pair of Safety Ankle Boot in Black  
E. One Pair of Safety Low Shoe in Black

Buyer's Name : CORTINA  
Brand : SAFETY JOGGER  
Manufacturer : CORTINA  
Size : Men's US 9  
(A)FREEDOM S1PS LOW (FYTS1PSL)  
(B)FREEDOM S1PS LOW TLS (FYTS1PSLT)

Model Name : (C)FREEDOM S1PS MID (FYTS1PSMID)  
(D)FREEDOM S1PS MID TLS (FYTS1PSMT)  
(E)FREEDOM RUN S1PS LOW (FYTRNRS1PS)

Reference Number: A)SI220117A  
(B)SI120023A  
(C)SI130015A  
(D)SI120024A  
(E)SI220117B

Toecap : Non-Metallic Nano Carbon Toecap N888  
Puncture Resistant Device : SJ Light Non-metallic insert  
Sole : ETPU+Rubber  
Upper : (A-D)Black Lowna Polyester Mesh covered with Grey TPU  
(E) Black Twisted Polyester Mesh covered with Grey/Black TPU  
Collar : (A/B)Black Lowna Polyester Mesh  
(C/D) Black Lowna Polyester Mesh covered with Black TPU  
(E) Dark Grey Suede Microfiber



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Test Report

SL92439352710101FW

Date: December 06, 2024 Page 2 of 10

Tongue : (A/C)Black Lowna Polyester Mesh  
 : (B/D) Black Lowna Polyester Mesh covered with Black TPU  
 : (E) Black Polyester Willow Mesh+Dark Grey Suede Microfiber

Vamp Lining : (A-D)Black Polyester Nalo Mesh  
 : (E)Black SJ Non-woven Wicking Felt

Quarter Lining : (A-D)Black Polyester Nalo Mesh  
 : (E) Black Twisted Polyester Mesh

Counter Lining : (A-D)Black Polyester Nalo Mesh  
 : (E) Dark Grey Suede Microfiber

Tongue Lining : (A-D)Black Polyester Nalo Mesh  
 : (E) Dark Grey Suede Microfiber

Collar Lining : (A-D) Black Polyester Nalo Mesh  
 : (E) Dark Grey Suede Microfiber+Dark Grey Polyester SJ BK Mesh

Insole : SJ Light Non-metallic insert

In-sock (foot-bed) : Dark Grey Polyester Mesh + SJFOAM2 Industrial (PU)

Judgment Accordance : ASTM F2413-24

Test Performance/  
Standard : See testing results page

Sample Receiving Date : Nov 29, 2024

Testing Period : Nov 29, 2024 ~ Dec 06, 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#	Remark
Protective Toe Impact Resistance	P	
Protective Toe Compression Resistance	P	
Static Dissipative	P	
Slip Resistance (Dry and Wet)	P	
Slip Resistance (Oily/Wet)	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

**Performance Requirements for Protective (Safety) Toe Cap Footwear**  
ASTM F2413-24

**Protective Toe Impact Resistance**

(ASTM F2412-24, Clause 5;Impact energy:101.75 J)

**A US 9#(Left)**

	No. 1	No. 2	Requirement
Internal Height Clearance(mm)	18.7	17.5	Min. 12.7 mm

**Conclusion Pass**

**A US 9#(Right)**

	No. 3	Requirement
Internal Height Clearance(mm)	18.4	Min. 12.7 mm

**Conclusion Pass**

**Protective Toe Compression Resistance**

(ASTM F2412-24, Clause 6;Compression load: 2500 lbf)

**A US 9#(Left)**

	No. 1	Requirement
Internal Height Clearance(mm)	23.7	Min. 12.7 mm

**Conclusion Pass**

**A US 9#(Right)**

	No. 2	No. 3	Requirement
Internal Height Clearance(mm)	23.7	24.5	Min. 12.7 mm

**Conclusion Pass**



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**Static Dissipative**

(ASTM F2412-24, Clause 10;Test Voltage: 50 V)

**A US 9#**

	No. 1	No. 2	No. 3	Average	Requirement
Electrical Resistance (Left)(MΩ)	5.0	4.7	5.9	5.2	SD 10: 1 ~ 10 MΩ
Electrical Resistance (Right)(MΩ)	5.9	5.2	6.8	6.0	SD 10: 1 ~ 10 MΩ
Electrical Resistance (One Pair)(MΩ)	4.8	3.8	6.0	4.9	SD 10: 1 ~ 10 MΩ

**Conclusion**

**Pass**

**Slip Resistance (Dry and Wet)**

(ASTM F2913-24;Lubricant:Distilled Water,Vertical Force:(500±25) N)

A-US 9# right shoe 1	Unit	Forepart	Heel part	Requirement
<u>Clay Tile</u>				
<u>Tested Dry Then Wet</u>				
Coefficient of Friction				-
Dry	-	0.94	0.90	Min. 0.40
Wet	-	0.76	0.75	Min. 0.40
<b>Conclusion</b>		<b>Pass</b>		

  

A-US 9# right shoe 2	Unit	Forepart	Heel part	Requirement
<u>Clay Tile</u>				
<u>Tested Wet Then Dry</u>				
Coefficient of Friction				-
Dry	-	0.91	0.89	Min. 0.40
Wet	-	0.79	0.76	Min. 0.40
<b>Conclusion</b>		<b>Pass</b>		

  

A-US 9# left shoe 3	Unit	Forepart	Heel part	Requirement
<u>Clay Tile</u>				
<u>Tested Dry Then Wet</u>				
Coefficient of Friction				-
Dry	-	0.92	0.90	Min. 0.40
Wet	-	0.76	0.74	Min. 0.40
<b>Conclusion</b>		<b>Pass</b>		

Remark:

- 1) 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.
- 2) Shoe Size:US 9



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**Slip Resistance (Oily/Wet)**

(ASTM F2913-24;Test Surface:Clay Tile;Vertical Force:(500±25) N)

A US 9#	Unit	Backward forepart	Forward heel	Requirement
Oily Wet ((0.2±0.02g) of 100% corn oil with distilled water)				
Coefficient of Friction				-
Shoe 1(Right)	-	0.34	0.33	Min. 0.33
Shoe 2(Left)	-	0.35	0.33	Min. 0.33
Shoe 3(Right)	-	0.35	0.34	Min. 0.33
<b>Conclusion</b>		<b>Pass</b>		

Remark:

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



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The samples B/C/D/E have not been tested and provided by the client for reference only

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

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

\*\*\*End of Report\*\*\*



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SL92439352710101FW

Date: December 06, 2024 Page 10 of 10

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