



中国认可  
国际互认  
检测  
TESTING  
CNAS L0167

**Test Report**

No. SL919092428708FW

Date: Jun 04, 2019

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

Attn: Peter De Mezure

The following samples were submitted and identified on behalf of the client as:

- A. BLACK MEN CASUAL SAFETY LOW WITH M1159 BASF PU/BASF PU OUTSOLE
- B. BLACK MEN CASUAL SAFETY HIGH WITH M1159 BASF PU/BASF PU OUTSOLE
- C. COMPOSITE INSERT PLATE

Manufacturer	:	CORTINA N.V.	
Size	:	US 9	
Construction	:	Injection	
Ref No.	:	JUMPER31/CLIMBER31	
Toecap	:	Composite Toe	
Insert Plate	:	Composite Insert Plate (KEVLAR)	
Upper	:	Black Cow Suede Leather	
		Grey Polyester Mesh	
Vamp lining	:	Black Polyester Non-woven fabric	
Quarter lining	:	Black Polyester Mesh	
Counter lining	:	Grey Polyester Non-woven	
Outsole (Midsole & Outsole)	:	BASF PU/PU Sole	
Insole	:	Composite Insert Plate (KEVLAR)	
Insock (footbed)	:	EVA with Black Polyester Mesh	
Sample Receiving Date	:	May 17, 2019	
Test Performing Period	:	May 17, 2019 ~ Jun 04, 2019	
Test Standard	:	ASTM F2413-18	
		*	*

Test Results : Please refer to the next page(s).

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

Huang Asan  
Approved Signatory



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Guangzhou Branch

198 Kazhu Road, Science Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075169 www.sgs.com.cn  
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Test result:

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

Test condition:  
Impact energy: 101.75 J

Gender	Size/Sample	Left/Right	Interior Height Clearance (mm)	ASTM F2413-18 Requirement	Pass/Fail	
Man	9	B	Left	17.9	Min. 12.7 mm	Pass
		A	Left	18.3		
	Right		14.4			
Average (result only)			16.8	-	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

Gender	Size/Sample	Left/Right	Interior Height Clearance (mm)	ASTM F2413-18 Requirement	Pass/Fail	
Man	9	A	Left	21.3	Min. 12.7 mm	Pass
		B	Right	23.3		
	Right		23.9			
Average (result only)			22.8	-	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.



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198 Kazhu Road, Science Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075169 www.sgs.com.cn  
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**Static Dissipative (ASTM F2412-18a, 10)**

Test condition:

Test voltage: 50 V

Category of footwear: SD 35

Gender	Size	Left/Right	Electrical resistance (MΩ)				ASTM F2413-18 Requirement	Pass/Fail
			1 <sup>st</sup> pair	2 <sup>nd</sup> pair	3 <sup>rd</sup> pair	Average (result only)		
Man	9	Sample	A		B		SD 35: 1~35 MΩ	
		Left	22.9	26.1	18.6	22.5		Pass
		Right	20.1	17.8	17.1	18.3		Pass
		One Pair	12.5	12.5	11.8	12.2		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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Guangzhou Branch / 广州分公司 / 鞋类实验室

198 Kezhu Road, Scienteck Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075169 www.sgs.com.cn  
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075169 e sgs.china@sgs.com



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

Sample: C

Specimen	Assessment after $1.5 \times 10^6$ 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  $1.5 \times 10^6$  flexes.

NOTE: The samples are conditioned in  $(20 \pm 2)^\circ\text{C}$  and  $(50 \pm 5)\%$  R.H. for 24 hours before testing and tested in the same atmosphere.

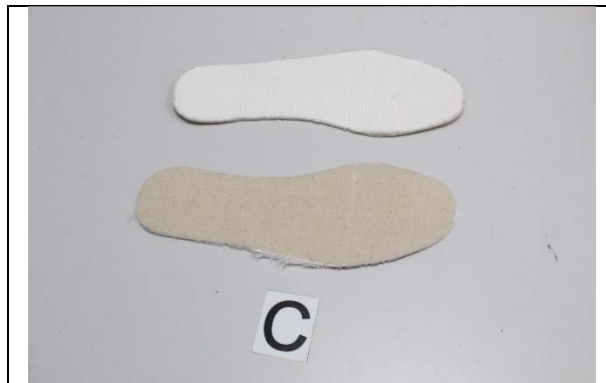


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Sample photo



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



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