

STYLE REF: RF250

STYLE NAME: RHODIUM

RockFall®
INDUSTRY DEFINING SAFETY FOOTWEAR

SPECIFICATION: EN ISO 20345:2011 S3 WR SRC + EN 13832-2:2018 / Type U / K + L / 200J-A-E-WV-PY
SIZE: UK 3-13 (WHOLE SIZES) | COLOUR: BLACK

100% NON-METALLIC, WITH PROTECTIVE TOECAP AND MIDSOLE, RHODIUM IS A CHEMICAL SPLASH RESISTANT BOOT DEVELOPED WITH SPECIALIST DURABILITY MATERIALS THAT ARE CERTIFIED TO PREVENT CORROSION, INCLUDING AN ACTIV-TEX® WATERPROOF MEMBRANE, MICROFIBRE UPPER AND SHOCK ABSORBING BASF PU OUTSOLE.

RF250



BASF
We create chemistry

ACTIV-TEX

Upper Material

Chemical resistant microfibre upper - tested against most common chemicals

Protective Components

Protective fibreglass toecap and composite anti-penetration flexi-midsole

Lining Materials

Activ-Tex® waterproof and breathable bootie membrane - tested for 8 hours (5 times longer than EN requirement)

Scuff Cap and Outsole

BASF chemical resistant PU outsole - tested against most common chemicals

Footbed

Anti-fatigue EVA footbed

SUBJECT TO CHANGE WITHOUT PRIOR NOTICE: 01/05/2021

Find this product at <https://www.rockfall.com/products/rhodium>

Browse all products at <https://www.rockfall.com/products>

PROUDLY MANUFACTURED BY ROCK FALL UK, MAJOR HOUSE, WIMSEY WAY, ALFRETON, DERBYSHIRE, DE55 4LS



Issued to:

Rock Fall UK Ltd
Major House
Unit 1/3 Wimsey Way
Alfreton
Derbyshire
DE55 4LS
UK

Approved Body: 0321

SATRA customer number: P1769

UKCA Type-Examination Certificate

Certificate number: AB0321/16501-02/E00-00

This UKCA Type-Examination Certificate covers the following product group(s) supported by testing to the relevant standards/technical specifications and examination of the technical file documentation. It has been issued under Module B of Regulation 2016/425 on personal protective equipment, as amended to apply in GB. This product group has been shown to satisfy the applicable essential health and safety requirements as a Category III product.

Product reference:

Rock Fall RF250 Rhodium

Description:

Ankle safety boot comprising coated microfibre upper with synthetic linings and a 5 plastic D-ring laced fastening system. Composite toe cap referenced 1701G, a composite perforation resistant insert and an injected dual density Pu/Pu outsole

Size Range: 36 - 51 EUR
3 - 16 UK

Classification:

EN ISO 20345:2011 S3 WR SRC

EN ISO 13832-2:2018 Type U [K-L] 200J A E WV PY

Standards/Technical specifications applied:
EN ISO 20345: 2011; EN 13832-2:2018

Technical reports/Approval documents:

SATRA: CHM0319740/2138/LC/Issue 2

CTC: D190712550, D200506846

INTERTEK: GZHT91096752, GZHT91094461, GZHT91084640, GZHT90808030, GZHT90721421, GZHT90927950
GZHT90985248, GZHT90985299, GZHT90985321, GZHT90994018

Signed on behalf of SATRA:

Pete Doughty

Date first issued: 29/04/2021

Date of issue: 23/05/2022

Expiry date: 29/04/2026

UKCA DECLARATION OF CONFORMITY

Rock Fall UK, Major House,
Unit 1/3, Wimsey Way,
Alfreton, Derbyshire, DE55 4LS
United Kingdom
Tel: **01773 608616**
Email: **sales@rockfall.com**
rockfall.com

The manufacturer or his nominated representative established in the community;

ROCK FALL UK LTD, WIMSEY WAY, ALFRETON, DERBYSHIRE, DE55 4LS, UNITED KINGDOM Declares that the

PPE described hereafter;

ROCK FALL RF250 Rhodium

Is in conformity with the provisions of PPE Regulation EU 2016/425, as brought into UK Law and amended, for **Category II** and, where such is the case, with the national standard transposing the union harmonised standard no. **EN ISO 20345:2011**

This declaration of conformity is issued under the sole responsibility of the manufacturer;

ROCK FALL UK LTD, WIMSEY WAY, ALFRETON, DERBYSHIRE, DE55 4LS, UNITED KINGDOM

Is identical to the PPE submitted to: **SATRA Technology Centre Limited, Wyndham Way, Telford Way, Kettering, Northamptonshire, NN16 8SD United Kingdom. Approved Body 0321.** who performed the UKCA type examination (Module B) and issued the UKCA type -examination certificate: **AB0321/16501-02/E00-00**

The PPE is subject to the procedure set out in **Module C** of the PPE Regulation EU 2016/425, as brought into UK Law and amended, under the supervision of the notified body: **SATRA Technology Centre Limited, Wyndham Way, Telford Way, Kettering, Northamptonshire, NN16 8SD United Kingdom. Approved Body 0321**

Signature:

A handwritten signature in black ink, appearing to read "R. K. Wilson", written over a large, light grey, stylized mountain peak graphic that serves as a background for the signature area.

Position: Director

Date: 23/05/2022



Issued to:

Rock Fall UK Ltd
Major House
Unit 1/3 Wimsey Way
Alfreton
Derbyshire
DE55 4LS
UK

Notified Body: 2777

SATRA customer number: P1769

EU Type-Examination Certificate

Certificate number: 2777/14855-03/E00-00

This EU Type-Examination Certificate covers the following product group(s) supported by testing to the relevant standards/technical specifications and examination of the technical file documentation. It has been issued Under Module B of Regulation 2016/425 on personal protective equipment. This product group has been shown to satisfy the applicable essential health and safety requirements as a Category III product.

Product reference:

Description:

RF250 Rhodium

Ankle safety boot comprising coated microfibre upper with synthetic linings and a 5 plastic D-ring laced fastening system. Composite toe cap referenced 1701G, a composite perforation resistant insert and an injected dual density Pu/Pu outsole

Sizes Range: 36 - 51 EUR
3 - 16 UK

Classification:

EN ISO 20345:2011 S3 WR SRC

EN ISO 13832-2:2018 Type U [K-L] 200J A E WV PY

Standards/Technical specifications applied:
EN ISO 20345: 2011; EN 13832-2:2018

Technical reports/Approval documents:

SATRA: CHM0319740/2138/LC/Issue 2
CTC: D190712550, D200506846

INTERTEK: GZHT91096752, GZHT91094461, GZHT91084640, GZHT90808030, GZHT90721421, GZHT90927950
GZHT90985248, GZHT90985299, GZHT90985321, GZHT90994018

Signed on behalf of SATRA:

Geoff Graham

Date first issued: 28/07/2020
Date of issue: 28/04/2022
Expiry date: 28/07/2025

EU DECLARATION OF CONFORMITY

Rock Fall UK, Major House,
Unit 1/3, Wimsey Way,
Alfreton, Derbyshire, DE55 4LS
United Kingdom
Tel: **01773 608616**
Email: **sales@rockfall.com**
rockfall.com

The manufacturer or his nominated representative established in the community;

ROCK FALL UK LTD, WIMSEY WAY, ALFRETON, DERBYSHIRE, DE55 4LS, UNITED KINGDOM

Declares that the PPE described hereafter;

ROCK FALL RF250 Rhodium

Is in conformity with the provisions of PPE Regulation EU 2016/425 for **Category III** and, where such is the case, with the national standard transposing the union harmonised standard no. **EN ISO 20345:2011**

This declaration of conformity is issued under the sole responsibility of the manufacturer;

ROCK FALL UK LTD, WIMSEY WAY, ALFRETON, DERBYSHIRE, DE55 4LS, UNITED KINGDOM

Is identical to the PPE submitted to: **SATRA Technology Europe Ltd, Bracetown Business Park, Clonee D15YN2P. Notified Body 2777.** who performed the Eu type examination (Module B) and issued the EU type -examination certificate: **2777/14855-03/E00-00**

The PPE is subject to the procedure set out in **Module C2** of the PPE Regulation EU 2016/425 under the supervision of the notified body: **SATRA Technology Europe Ltd, Bracetown Business Park, Clonee D15YN2P. Notified Body 2777.**

Signature:

A handwritten signature in black ink, appearing to read "R. K. Wilson", written over a large, light grey, stylized mountain peak graphic that spans the bottom right of the page.

Position: Director

Date: 28/04/2022



Number: GZHT90461164

Applicant: BASF POLYURETHANES (CHINA) CO. LTD
NO. 408, HUANSI ROAD SOUTH,
GUANGZHOU NANSHA ECONOMIC
& TECHNOLOGICAL DEVELOPMENT
ZONE GUANG-DONG 511458,
P.R. CHINA
Attn: TERRY HU

Date: Oct 30, 2014

Sample Description:

Thirty (30) pieces of submitted sample said to be White PU materials used for sole.

Standard : EN 13832-3: 2006

Date Received/Date Test Started : From Aug. 22, 2014 to Sep. 17, 2014

Date Final Information Confirm : Oct. 30, 2014

Test Result Please Refer To Attached Page(S).

Should you have any query on this report, you may contact at gzfootwear@intertek.com

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou GDD Branch

Huang Ning, Andy
Assistant General Manager



AZ / mikaliang

FJ90461164

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Intertek Testing Services Shenzhen Ltd. Guangzhou GDD Branch

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Economic & Technological Development District, Guangzhou, China

深圳天祥质量技术服务有限公司广州开发区分公司

中国广州经济技术开发区开发大道 235 号恒运大厦 3 楼

Tel: (8620)2232 1668 / 8396 6868 Fax: (8620)8222 7490 Postcode: 510730



Number: GZHT90461164

Tests Conducted (As Requested By The Applicant)

Footwear Protecting Against Chemicals (Sole)(BS EN 13832-1:2006(E),4.2)

		<u>Requirement</u>	<u>Pass/Fail</u>
Sample 1			
Chemical Used:	Acetone (Letter Code: B)		
Tear Resistance:			
Before Degradation:	7.3 kN/m	-	-
After Degradation:	7.0 kN/m	Min. 6.4 kN/m	Pass
Hardness:			
Before Degradation:	45 Shore A	-	-
After Degradation:	38 Shore A	Min.: 30 Shore A Max.: *	Pass
		<u>Requirement</u>	<u>Pass/Fail</u>
Sample 2:			
Chemical Used:	Dichloromethane (Letter Code: D)		
Tear Resistance:			
Before Degradation:	7.3 kN/m	-	-
After Degradation:	The Samples Were Too Strongly Affected By The Degradation Test So As To No Need To Perform This Test In Accordance With This Standard.	Min. 6.4 kN/m	-
Hardness:			
Before Degradation:	45 Shore A	-	-
After Degradation:	The Samples Were Too Strongly Affected By The Degradation Test So As To No Need To Perform This Test In Accordance With This Standard.	Min.: 30 Shore A Max.: *	-



Number: GZHT90461164

Tests Conducted (As Requested By The Applicant)

Footwear Protecting Against Chemicals (Sole)(BS EN 13832-1:2006(E),4.2) (Cont)

		<u>Requirement</u>	<u>Pass/Fail</u>
Sample 3			
Chemical Used:	Toluene (Letter Code: F)		
Tear Resistance:			
Before Degradation:	7.3 kN/m	-	-
After Degradation:	5.1 kN/m	Min. 6.4 kN/m	Fail
Hardness:			
Before Degradation:	45 Shore A	-	-
After Degradation:	36 Shore A	Min.: 30 Shore A Max.: *	Pass
		<u>Requirement</u>	<u>Pass/Fail</u>
Sample 4:			
Chemical Used:	Diethylamine (Letter Code: G)		
Tear Resistance:			
Before Degradation:	7.3 kN/m	-	-
After Degradation:	6.8 kN/m	Min. 6.4 kN/m	Pass
Hardness:			
Before Degradation:	43 Shore A	-	-
After Degradation:	37 Shore A	Min.: 30 Shore A Max.: *	Pass



Number: GZHT90461164

Tests Conducted (As Requested By The Applicant)

Footwear Protecting Against Chemicals (Sole)(BS EN 13832-1:2006(E),4.2) (Cont)

		<u>Requirement</u>	<u>Pass/Fail</u>
Sample 5			
Chemical Used:	Tetrahydrofurane (Letter Code: H)		
Tear Resistance:			
Before Degradation:	7.6 kN/m	-	-
After Degradation:	6.4 kN/m	Min. 6.4 kN/m	Pass
Hardness:			
Before Degradation:	45 Shore A	-	-
After Degradation:	38 Shore A	Min.: 30 Shore A Max.: *	Pass
		<u>Requirement</u>	<u>Pass/Fail</u>
Sample 6:			
Chemical Used:	Ethyl Acetane (Letter Code: I)		
Tear Resistance:			
Before Degradation:	7.6 kN/m	-	-
After Degradation:	6.1 kN/m	Min. 6.4 kN/m	Fail
Hardness:			
Before Degradation:	43 Shore A	-	-
After Degradation:	35 Shore A	Min.: 30 Shore A Max.: *	Pass



Number: GZHT90461164

Tests Conducted (As Requested By The Applicant)

Footwear Protecting Against Chemicals (Sole)(BS EN 13832-1:2006(E),4.2) (Cont)

		<u>Requirement</u>	<u>Pass/Fail</u>
Sample 7			
Chemical Used:	n-Heptane (Letter Code: J)		
Tear Resistance:			
Before Degradation:	7.7 kN/m	-	-
After Degradation:	7.4 kN/m	Min. 6.4 kN/m	Pass
Hardness:			
Before Degradation:	45 Shore A	-	-
After Degradation:	40 Shore A	Min.: 30 Shore A Max.: *	Pass
		<u>Requirement</u>	<u>Pass/Fail</u>
Sample 8:			
Chemical Used:	Sodnm Hydroxide Solution 30% d = 1.33(Letter Code: K)		
Tear Resistance:			
Before Degradation:	7.8 kN/m	-	-
After Degradation:	7.6 kN/m	Min. 6.4 kN/m	Pass
Hardness:			
Before Degradation:	45 Shore A	-	-
After Degradation:	39 Shore A	Min.: 30 Shore A Max.: *	Pass



Number: GZHT90461164

Tests Conducted (As Requested By The Applicant)

Footwear Protecting Against Chemicals (Sole)(BS EN 13832-1:2006(E),4.2) (Cont)

		<u>Requirement</u>	<u>Pass/Fail</u>
Sample 9			
Chemical Used:	Sulfuric Acid 95% d = 1.84 (Letter Code: L)		
Tear Resistance:			
Before Degradation:	7.5 kN/m	-	-
After Degradation:	The Samples Were Too Strongly Affected By The Degradation Test So As To No Need To Perform This Test In Accordance With This Standard.	Min. 6.4 kN/m	-
Hardness:			
Before Degradation:	45 Shore A	-	-
After Degradation:	The Samples Were Too Strongly Affected By The Degradation Test So As To No Need To Perform This Test In Accordance With This Standard.	Min.: 30 Shore A Max.: *	-



Number: GZHT90461164

Tests Conducted (As Requested By The Applicant)

Footwear Protecting Against Chemicals (Sole)(BS EN 13832-1:2006(E),4.2) (Cont)

		<u>Requirement</u>	<u>Pass/Fail</u>
Sample 10:			
Chemical Used:	Nitric Acid (65 ± 3)% (Letter Code: M)		
Tear Resistance:			
Before Degradation:	7.5 kN/m	-	-
After Degradation:	The Samples Were Too Strongly Affected By The Degradation Test So As To No Need To Perform This Test In Accordance With This Standard.	Min. 6.4 kN/m	-
Hardness:			
Before Degradation:	45 Shore A	-	-
After Degradation:	The Samples Were Too Strongly Affected By The Degradation Test So As To No Need To Perform This Test In Accordance With This Standard.	Min.: 30 Shore A Max.: *	-
		<u>Requirement</u>	<u>Pass/Fail</u>
Sample 11			
Chemical Used:	Acetic Acid (99 ± 1)% (Letter Code: N)		
Tear Resistance:			
Before Degradation:	6.4 kN/m	-	-
After Degradation:	2.7 kN/m	Min. 6.4 kN/m	Fail
Hardness:			
Before Degradation:	45 Shore A	-	-
After Degradation:	30 Shore A	Min.: 30 Shore A Max.: *	Pass



Number: GZHT90461164

Tests Conducted (As Requested By The Applicant)

Footwear Protecting Against Chemicals (Sole)(BS EN 13832-1:2006(E),4.2) (Cont)

		<u>Requirement</u>	<u>Pass/Fail</u>
Sample 12:			
Chemical Used:	Ammonia Solution (25 ± 1)% (Letter Code: O)		
Tear Resistance:			
Before Degradation:	7.5 kN/m	-	-
After Degradation:	6.9 kN/m	Min. 6.4 kN/m	Pass
Hardness:			
Before Degradation:	46 Shore A	-	-
After Degradation:	42 Shore A	Min.: 30 Shore A Max.: *	Pass
		<u>Requirement</u>	<u>Pass/Fail</u>
Sample 13			
Chemical Used:	Hydrogen Peroxide (30 ± 1)% v/v (Letter Code: P)		
Tear Resistance:			
Before Degradation:	7.8 kN/m	-	-
After Degradation:	7.4 kN/m	Min. 6.4 kN/m	Pass
Hardness:			
Before Degradation:	45 Shore A	-	-
After Degradation:	41 Shore A	Min.: 30 Shore A Max.: *	Pass



Number: GZHT90461164

Tests Conducted (As Requested By The Applicant)

Footwear Protecting Against Chemicals (Sole)(BS EN 13832-1:2006(E),4.2) (Cont)

		<u>Requirement</u>	<u>Pass/Fail</u>
Sample 14:			
Chemical Used:	Lsopropanol (Letter Code: Q)		
Tear Resistance:			
Before Degradation:	7.5 kN/m	-	-
After Degradation:	7.3 kN/m	Min. 6.4 kN/m	Pass
Hardness:			
Before Degradation:	45 Shore A	-	-
After Degradation:	37 Shore A	Min.: 30 Shore A Max.: *	Pass
		<u>Requirement</u>	<u>Pass/Fail</u>
Sample 15			
Chemical Used:	Sodium Hypochlorite (13 ± 1)% (Of Active Chloride) (Letter Code: R)		
Tear Resistance:			
Before Degradation:	7.6 kN/m	-	-
After Degradation:	7.1 kN/m	Min. 6.4 kN/m	Pass
Hardness:			
Before Degradation:	48 Shore A	-	-
After Degradation:	43 Shore A	Min.: 30 Shore A Max.: *	Pass



Number: GZHT90461164

Tests Conducted (As Requested By The Applicant)

Footwear Protecting Against Chemicals (Sole)(BS EN 13832-1:2006(E),4.2) (Cont)

Remark: * = Value Before Degradation +10 Shore A.
= The Samples Were Too Strongly Affected By The Degradation Test So As To No Need To Perform This Test In Accordance With This Standard.

Letter code	Chemical
B	Acetone
D	Dichloromethane
F	Toluene
G	Diethylamine
H	Tetrahydrofurane
I	Ethyl Acetate
J	n- Heptane
K	Sodium Hydroxide Solution 30% D=1.33
L	Sulfuric Acid 95% D=1.84
M	Nitric Acid (65±3)%
N	Acetic Acid (99±1)%
O	Ammonia Solution (25±1)%
P	Hydrogen Peroxide (30±1)% V/V
Q	Isopropanol
R	Sodium Hypochlorite (13±1)%(Of Active Chloride)

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct.



INDUSTRY DEFINING SAFETY FOOTWEAR

Rock Fall Chemical Footwear User Instructions and Damage Assessment Guidelines

This Safety Footwear complies with PPE Regulation (EU) 2016/425 and meets the requirements of the European Standard EN ISO 20345:2011.

EU Module Type C2 assessed by SATRA Technology. Notified Body NB2777.

SATRA Technology Europe Ltd, Bracetown Business Park, Clonee, Co.

Meath, D15 YN2P, Ireland.

This Safety Footwear complies with PPE Regulation (EU) 2016/425 as retained in UK law and meets the requirements of the European Standard EN ISO 20345:2011.

UKCA Module Type C2 assessed by SATRA Technology. Approved Body AB0321.

SATRA Technology Centre Ltd, Wyndham Way, Telford Way, Kettering, Northamptonshire, NN16 8SD, United Kingdom.

Wearer instructions: You are using footwear for limited contact with chemicals. This product has been assessed according to EN 13832-2:2018. The footwear has been tested with different chemicals given in

the table below. The protection has been assessed under laboratory conditions and relates only to the chemicals given. The wearer should be aware that in case of contact with other chemicals or with ambient factors (e.g. high and low temperatures, rough or sharp surfaces), the protection given by the footwear may be adversely affected and necessary precautions should be taken. Frequent repeated short contact is not assessed by this standard.

Product	RF250 Rhodium	
Standard	EN 13832-2:2018 Type U	
Chemical	Sodium hydroxide 40 % (K)	Sulphuric acid 96 % (L)
CAS No	1310-73-2	7664-93-9
Remark	No major defects to upper	No major defects to upper

Type U footwear has been designed and manufactured to protect the wearer from chemicals by splashing on the upper. The contact time can be intermittent not exceeding one hour. In case, after a contact with chemical, the footwear shall be cleaned and checked before a further use.

WARNING

Disclaimer: — This product is not intended to offer protection against chemicals that are immediately harmful upon contact with skin or that may lead to long- term health effects through a single incident or prolonged and/or repeated contact.

Disclaimer: — This product may not be safe for reuse after exposure to chemicals. Products that have previously been exposed to chemicals may not continue to provide an acceptable level of protection, and any damage caused by such exposure may not be apparent.

Damage Assessment guidelines:

1) boots should be discarded if any of the following are discovered:

- i) beginning of a pronounced and deep cracking affecting half the upper material thickness [see Figure 4a)];
- ii) the upper shows areas with deformations, chemical burns, fusion or bubbles, or split seams [see Figure 4b)];
- iii) upper/outsole separation of more than 10 mm long and 5 mm wide (and/or deep) [see Figure 4c)];
- iv) the outsole shows cracks higher than 10 mm long and 3 mm wide (and/or deep) [see Figure 4d)];
- v) cleat height in the flexing area lower than 1,5 mm [see Figure 4e)];

NOTE It is convenient to manually check the inside of the footwear from time to time in order to detect any deterioration of the lining or sharp borders of the toe protection which could cause wounds [see Figure 4 f)].

Dimensions in millimetres

Figure 4 – Damage Assessment guidelines

