

STYLE REF: RF250

STYLE NAME: RHODIUM



SPECIFICATION: EN ISO 20345:2011 S3 WR SRC + EN 13832-2:2018 Type U |
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, ECO-LORICA MICROFIBRE UPPER AND SHOCK ABSORBING BASF PU OUTSOLE.

RF250



Upper Material

Eco-Lorica 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: 01/06/2019

WWW.ROCKFALL.COM | WWW.ROCKFALL.COM/PRODUCTS/RHODIUM

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



EU-TYPE EXAMINATION CERTIFICATE



The following model of Personal Protective Equipment has been subjected to an EU-type examination in accordance with the module B of the PPE regulation (2016/425) and has been shown to satisfy to essential health and safety requirements.

Certificate N° 0075/2599/161/01/19/0029

Issued by CTC, Notified Body N°0075, to the following model of personal protective equipment :

Manufacturer : **Rock Fall UK**
Major House Unit 1/3 , Wimsey Way , Alfreton , Derbyshire , DE55 4LS,
United Kingdom.

Description

PPE Type : *a safety footwear*

Product reference : **RF250 S3**

Article code : -

Construction and material of outsole : Injection, PU/PU sole

Pictures :



RF250 S3
CE
EN ISO 20345:2011
S3 SRC
Size 42 12/2018
Rock Fall UK
Major House Unit 1/3 , Wimsey Way , Alfreton , Derbyshire , DE55 4LS, United Kingdom.

Reference standard : EN ISO 20345 : 2011

Classification : I **Category :** S3

Size range : 36-48 **Slip resistance :** SRC

Toecap nature : Non Metallic **Insert nature :** Non Metallic

At the date of certificate the product is in compliance with Annex XVII of REACH regulation (n° 1907/2006 and revisions)

Full description of the PPE, reference rules verified in the context of the EU-type examination and information given on the product are detailed in the manufacturer's technical file index 01 dated from JANUARY 2019

NOTA : Any modification to new items of the personal protective equipment object of this EU type approval certificate or any modification of the information contained in the manufacturer technical file which served for the deliverance of the EU type approval certificate (change of address, change of company status) should be brought to the attention of the notified body in accordance with Annex V §7.2 of Regulation 2016/425.

Issued in Lyon by

Lionel GAUDILLERE

PPE Certification Manager

Date of first issue : 03 January 2019

End of validity date : 03 January 2024



Original CTC



In application of the Regulation 2016/425 of the European parliament and the Council of 9th March 2016 related to Personal Protective Equipment and repealing the Directive 89/686/EEC.

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Comité Professionnel de Développement Economique (CPDE) Cuir Chaussure Maroquinerie Ganterie
Loi 78-654 du 22.06.1978 - Siret 77564972600160 - Code NAF 9412Z - TVA FR 88775649726

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 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: **CTC-4, Rue Hermann Frenkel - 69367 Lyon cedex 07- France. Approved Body 0075.** who performed the Eu type examination (Module B) and issued the EU type -examination certificate: **0075/2599/161/01/19/0029**

The PPE is subject to the procedure set out in **Module B** of the PPE Regulation EU 2016/425 under the supervision of the notified body:

CTC-4, Rue Hermann Frenkel - 69367 Lyon cedex 07- France. Approved Body 0362

Signature:

A handwritten signature in black ink, appearing to read "R. Kinson".

Position: Director

Date: 1/07/2019



Upper Material

Splash Test Results

Chemical	Test Length	Result
Acetic Acid 99%	5 Minutes	No corrosion to film, no penetration
Acetone	120 Minutes	Light corrosion to film, no penetration
Sodium Chloride 300g/l	120 Minutes	No corrosion to film, no penetration
Ferric Chloride 40%	120 Minutes	No corrosion to film, no penetration
Sodium Hydroxide	120 Minutes	Light corrosion to film, no penetration
Toluene	5 Minutes	Light corrosion to film, no penetration
Hydrogen Peroxide	5 Minutes	No corrosion to film, no penetration
Hydrochloric Acid 30%	120 Minutes	Light corrosion to film, no penetration
Sulphuric Acid 30%	120 Minutes	Light corrosion to film, no penetration
Isopropyl Alcohol	120 Minutes	Heavy corrosion of film, no penetration
Sodium Hypochlorite 30%	120 Minutes	No corrosion to film, no penetration
Ammonia 25%	120 Minutes	Light corrosion of film, no penetration
Methanol	120 Minutes	No corrosion to film, no penetration
Hexane	120 Minutes	No corrosion to film, no penetration
Sodium Percarbonate	30 Minutes	No corrosion to film, no penetration
Hydrofluoric Acid	10 Minutes	No corrosion to film, no penetration



Number: GZHT90461164

Applicant: BASF POLYURETHANES (CHINA) CO. LTD
NO. 408, HUANSHI ROAD SOUTH,
GUANGZHOU NANSHA ECONOMEIC
& 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

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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:	Sodim 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



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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.

Table with 2 columns: Letter code, Chemical. Rows include 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 (Lsopropanol), R (Sodium Hypochlorite (13±1%)(Of Active Chloride))

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ECOLORICA
no limits for designers

CHEMICAL RESISTANCE ECOLOR H* FOR SAFETY S2 SHOES

CHEMICAL	CONCENTRATION	AFTER 5'	AFTER 2h
Sulphuric acid	95%	<ul style="list-style-type: none">▪ Corrodes finishing film▪ Light penetration in the back side	<ul style="list-style-type: none">▪ Corrodes completely the finishing film▪ High penetration in the back side (not complete)
Acetone		<ul style="list-style-type: none">▪ No corrosion of the finishing film▪ No penetration in the back side	<ul style="list-style-type: none">▪ Light corrosion if the finishing film▪ No penetration in the back side
Nitric acid	65%	<ul style="list-style-type: none">▪ Corrodes finishing film▪ Penetration in the back side	<ul style="list-style-type: none">▪ Corrodes completely the finishing film▪ Complete penetration in the back side
Sodium Hydroxide	30%	<ul style="list-style-type: none">▪ No corrosion of the finishing film▪ No penetration in the back side	<ul style="list-style-type: none">▪ Light corrosion if the finishing film▪ No penetration in the back side
Toulene		<ul style="list-style-type: none">▪ Light corrosion of the finishing film▪ No penetration in the back side	<ul style="list-style-type: none">▪ Corrodes the finishing film▪ No penetration in the back side
Hydrogen peroxide		<ul style="list-style-type: none">▪ No corrosion of the finishing film▪ No penetration in the back side	<ul style="list-style-type: none">▪ Light corrosion if the finishing film▪ Light penetration in the back side
Isopropyl Alcool		<ul style="list-style-type: none">▪ No corrosion of the finishing film▪ No penetration in the back side	<ul style="list-style-type: none">▪ Corrodes the finishing film▪ No penetration in the back side



ECOLORICA
no limits for designers

CHEMICAL RESISTANCE ECOLOR H* FOR SAFETY S2 SHOES

Acetic acid	99%	<ul style="list-style-type: none"> No corrosion of the finishing film No penetration in the back side 	<ul style="list-style-type: none"> Light corrosion if the finishing film Penetration in the back side
Sodium Hypochlorite	3%	<ul style="list-style-type: none"> No corrosion of the finishing film No penetration in the back side 	<ul style="list-style-type: none"> No corrosion if the finishing film No penetration in the back side
Ammonia	25%	<ul style="list-style-type: none"> No corrosion of the finishing film No penetration in the back side 	<ul style="list-style-type: none"> Light corrosion if the finishing film No penetration in the back side

*Drop Test

SPECIFIC TEST Hydrochloric acid 32% ECOLOR H color 0044/9990

Test		LIMIT	Value col. 9990	Value col. 0044	METHOD
Spessore/Thickness	Mm	1,55± 0,1 2,05± 0,1	1,52 2,03	1,54 2,02	UNI 2589
Resistance after 6 hour	200 cycles	4/5 Grey scale	5	43,1	UNI EN ISO 11640
Resistance after 12 hour			5	60,9	
Resistance after 18 hour			5	89,7	
Resistance after 24 hour			5	52,9	

Note	The test was made with the utilization of the "hydrochloric acid">32%, we have taken a sample with the standard production and divided in 4 different family and in different color, we have put on the surface the acid and increase the quantity when the acid was absorbed from the material, after we have made a test on veslic on 200 cycles and valutate if the surface was damage, before with a lens 10X after with grey scale
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