ELLIOTTS

User Information Guide

Big Red® XT Welding Gloves

Certified Product™

AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
EN 12477:2001
EN 388:2016
EN 407:2020
SMK41830

EN388:2016 +A1:2018

4243B

EN407:2020

423344

Dexterity 5
EN 12477:2001 +A1:2005:
Type A+B
EN 1149-2:1997

Sizing

Claim Size	L
Hand circumference (mm)	305
Length of glove (mm)	680
Glove size as per EN ISO 21420	9

The dexterity as per clause 5.2 of EN ISO 21420:2020 has the **performance level 5** *(in standard sizing).*

Pictogram and Performance Levels

AS/NZS 2161.2
ISO 21420:2020

General Requirements
Risk Category
Sizing
Marking/labelling etc.

EN407:2020

4 2 3 3 4 4

Limited flame spread
Contact heat
Convective heat
Radiant heat
Small splashes of molten metal
Large quantities of molten metal

Performance Level	1	2	3	4
A – Limited flame spread – after flame time	≤15s	≤10s	≤3s	≤2s
A – Limited flame spread – after glow time	not requir.	≤120s	≤25s	≤5s
B – Contact heat – contact temperature	100°C	250°C	350°C	500°C
B – Contact heat – threshold time	≥15s	≥15s	≥15s	≥15s
C – Convective heat – heat transfer delay	≥4s	≥7s	≥10s	≥18s
D – Radiant heat – heat transfer delay	≥7s	≥20s	≥50s	≥95s
E– Small drops of molten metal (no. drops)	≥10	≥15	≥25	≥35
F – Large quantity of molten metal (mass)	30g	60g	120g	200g

This glove offers protection against (6.6) small splashes of molten metal and (6.7) large quantities of molten metal. In the event of a molten metal splash, the users must remove themselves to a safe area, remove the glove and inspect for damage. Note, in the event of a molten metal splash, the glove may not eliminate all risks of a burn. This glove is not intended for use in wet conditions

EN 12477:2001+A1:2005

Requirements	EN	Type A Minimum Rating		Type B Minimum Rating	
Electrical Insulation	1149-2	-	R ≥10^5Ω	-	R ≥10^5Ω
Abrasion Resistance	EN388	2	500 cycles	1	100 cycles
Blade Cut Resistance	EN388	1	Index 1,2	1	Index 1,2
Tear Resistance	EN388	2	25 N	1	10 N
Puncture Resistance	EN388	2	60N	1	20 N
Limited flame spread	EN407	3	-	2	-
Contact Heat Resistance	EN407	1	100 C	1	100 C
Convective Heat Resistance	EN407	2	HTI≥7	0	-
Small Molten Splash Resistance	EN407	3	25 Droplets	2	15 Droplets
Dexterity (pick up of rod dia.)	EN420	1	≤11mm	4	≤6.5mm

EN 1149-2:1997 Protective Clothing – Electrostatic Properties - Part 2: Test method for measurement of the electrical resistance through a material (vertical resistance).

AS/NZS 2161.3
EN388:2016
+A1:2018

4 2 4 3 B

Abrasion
Cut (Coup Test)
Tear (N)
Puncture (N)
Cut Resistance
Impact Protection

Mechanical Hazards – Performance Levels

Performance Level	1	2	3	4	5
A – Abrasion Resistance (cycles)	100	500	2000	8000	-
B – Blade Cut Resistance (index)	1.2	2.5	5.0	10.0	20.0
C – Tear Resistance (newtons)	10	25	50	75	-
D – Puncture Resistance (newtons)	20	60	100	150	-

Performance Level	A	B	C	D	E	F
E – ISO13997 Cut Resistance (newtons)	2	5	10	15	22	30
F – Impact Protection	PASS (P) or FAIL (no marking)					

Information regarding protection refers to the working surface, i.e. the palm of the glove which has been submitted for testing. The overall classification for gloves with two or more non-interconnected layers does not necessarily reflect the performance of the outermost layer. Two separate test methods are used to evaluate the Blade cut resistance. In Coupe test method glove materials are dulling the blade, result is only indicative. TDM Blade cut resistance is reference performance result as shown on glove marking.

Declaration of Conformity: The declaration of conformity can be found at: elliotts.net/declaration-conformity

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Use Guidelines

These gloves have been designed to protect hands in the working environment in accordance standards referred in this user guideline. When selecting a glove based on risk analysis it should be understood that the protection is limited to the risk level and standards referred.

Precautions for use

1. It is recommended to check that the gloves are suitable for the intended use, because the conditions of use in the workplace may differ from the tests performed in the laboratory.
2. New and used gloves should be thoroughly inspected before use. Check for holes, cracks, tears, colour change and discard any glove presenting such defects. Avoid using heavily soiled, damaged or worn gloves.
3. Put the gloves on dry, clean hands.
4. Ensure the insides of the gloves are dry before putting them on again.
5. These gloves have a high resistance to tearing and should not be used if likely to be caught in moving machinery.

Care Instructions

Cleaning

Do not wash. Wipe down with a mild soapy water. Line dry in shade. Caution: Gloves may not have the same performance levels after washing. Elliott Australia cannot accept any liability if the gloves do not have the same performance levels after washing, even if washing is carried out according to the instructions.

Storage

1. Store gloves in original packaging, in a dry and cool place.
2. Keep away from direct sunlight, heat and flame.

Warnings

Test results apply to the gloves in the as received condition may differ if cleaned. Do not use near moving machinery due to entanglement hazard. Overall classification may not reflect the performance of only the outermost layer. These gloves are not suitable for protection against sharply pointed objects such as hypodermic needles. Gloves may lose their insulative properties when wet inside so always place dry hands inside the gloves.

When gloves are intended for arc welding: these gloves do not provide protection against electric shock caused by defective equipment or live working, and the electrical resistance is reduced if gloves are wet, dirty or soaked with sweat, this could increase the risk.

UV: There is no standardised test method at present for detecting U.V. penetration of materials for gloves but the current methods of construction of protective gloves for welders do not normally allow penetration of U.V. radiation.

Warranty

Elliott Australia warrants that for a period of 12 months from the date of purchase (Warranty Period) Goods sold by Elliott Australia are free from defects in materials and workmanship and are suitable for the normal operational use as reasonably contemplated by the customer. This warranty does not apply to any death or bodily injury arising from the use of the goods from any abuse of the goods or any purpose other than normal operational use.

You must notify Elliott Australia if the goods fail to meet the warranties set out in the preceding paragraph.

We may inspect the goods after receiving such notice. We will repair or, if necessary, replace the goods to the extent it is agreed between Elliott Australia and the customer during the Warranty Period that the goods are defective or not suitable for normal use as reasonably contemplated by the customer. Following such repair or replacement, the Equipment shall continue to conform to the warranties contained in this document.

IMPORTANT NOTICE

Elliott Australia has no control over the use to which customers may apply Elliott Australia products. You must exercise all due care and skill in the selection of products after considering your proposed use and exposure of the products. You must ensure that any proposed use and exposure for the product is in accordance with any product specifications, requirements, performance capabilities and limitations. You should undertake your own tests, by qualified persons, to determine the suitability of the product for your proposed use and exposure of the products.

ALLERGY WARNING Some gloves may contain ingredients which are known to be a possible cause of allergies in sensitive persons who may develop irritations and/or allergic reactions. **Seek medical advice immediately if an allergic reaction should occur.** This product may contain natural latex which may cause an allergic reaction. **For more information contact Elliott Australia or refer to the Product Data Sheet available online at elliotts.net**

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elliotts.net