

PRODUCT CODE: UG-12C4

Sizes: S/7, M/8, L/9, XL/10, XXL/11

Instruction of use for Unilite's protective gloves for general use.
CE category 2 - protection when there is a medium risk of serious injury.



All UNILITE gloves satisfy the essential requirements of Regulation (EU) 2016/425 and PPE Regulation (EU) 2016/425 on personal protective equipment, as amended to apply in GB, and have been shown to comply with this Regulation through the Designated Standard EN ISO 21420:2020 and the Harmonized European Standards EN 388:2016+A1:2018.

Declaration of Conformity for this product can be found at our website: unilite.co.uk/doc

Manufacturer:
UNILITE Limited
The LAB, Moons Moat Drive
Off Winyates Way
Redditch, Worcestershire, B98 9FG - UK
T: +44(0) 1527 584344
E: support@unilite.co.uk
www.unilite.co.uk

Certification Body:
C.T.C
4, Rue Hermann Frenkel
69367 LYON Cedex 07
FRANCE
(Approved Body: 0075)



IMPORTANT INFORMATION

- A.** This product is designed to minimize the risk of / provide protection against general mechanical risk. However, always remember that no item of PPE can provide full protection and care must always be taken while carrying out the risk related activity.
- B.** New and used gloves should be thoroughly checked for signs of wear or damage (e.g. cuts or holes) before use. Do not use damaged gloves. If in doubt, do not use the gloves, get a new pair.
- C.** The gloves shall not be worn when there is a risk of entanglement with moving parts of machines.
- D.** Used gloves may be contaminated with infectious or other hazardous materials. Dispose of according to Local Authority Regulations under controlled conditions.
- E.** Some gloves might contain ingredients which are known to be a possible cause of allergies in sensitised persons, who may develop irritant and/or allergic contact reactions. If allergic reactions should occur, obtain medical advice immediately. For more information, please contact your distributor.
- F.** When not in use, store the product in a dry place away from direct sunlight, sources of contamination, naked flames and extreme temperatures.
- G.** Only wear products of a suitable size. Products which are either too loose or too tight will restrict movement and will not provide the optimum level of protection. The size of these products is marked on the glove.
- H.** Gloves will not lose their mechanical properties for up to 5 years. This can be dependent on factors such as amount of use and providing the gloves are stored correctly.

The gloves are designed to protect against the following risks:

Performance for Intermediary Risk (Category II)

EN 388:2016+A1:2018 - PROTECTIVE GLOVES AGAINST MECHANICAL RISKS

The characters under the pictogram, four numbers and one or two letters, indicates the protection level of the glove. The higher the value the better result. Example of highest score 4544FP.

NOTES: If the new TDM-100 test was conducted an 'X' can be placed in position two. If an 'X' is present it means the test was not carried out or it is not applicable. The sixth digit will only be present if the gloves are intended for impact protection.

EN388:2016+A1:2018



4 X 4 2 D P

| Abrasion Resistance | Cut (Coup) Resistance | Tear Resistance | Puncture Resistance | Cut (TDM-100) ISO13997 | Impact Protection | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------------|-----------------|---------------------|------------------------|-------------------|---|-----|---|-----|---|------|---|--|--------|--------|------|---|------|---|-----|---|-----|---|-----|---|------|---|--|--------|--------|----|---|----|---|----|---|----|---|-----|---|---|--------|--------|-----|---|-----|---|----|---|----|---|-----|---|---|--------|--------|---------|---|---------|---|-----------|---|-----------|---|-----------|---|-----|---|--|-------------------|--------|--------|---|--------|---|------------|---|
| <p>Number of revolutions of sand paper required to abrade through</p> <table border="1"> <thead> <tr> <th>Rubs</th> <th>Rating</th> </tr> </thead> <tbody> <tr><td>8000</td><td>4</td></tr> <tr><td>2000</td><td>3</td></tr> <tr><td>500</td><td>2</td></tr> <tr><td>100</td><td>1</td></tr> <tr><td><100</td><td>0</td></tr> </tbody> </table> | Rubs | Rating | 8000 | 4 | 2000 | 3 | 500 | 2 | 100 | 1 | <100 | 0 | <p>Number of cycles of a circular spinning blade with fixed load to cut through</p> <table border="1"> <thead> <tr> <th>Factor</th> <th>Rating</th> </tr> </thead> <tbody> <tr><td>20.0</td><td>5</td></tr> <tr><td>10.0</td><td>4</td></tr> <tr><td>5.0</td><td>3</td></tr> <tr><td>2.5</td><td>2</td></tr> <tr><td>1.2</td><td>1</td></tr> <tr><td><1.2</td><td>0</td></tr> </tbody> </table> | Factor | Rating | 20.0 | 5 | 10.0 | 4 | 5.0 | 3 | 2.5 | 2 | 1.2 | 1 | <1.2 | 0 | <p>Amount of force required to tear the fabric</p> <table border="1"> <thead> <tr> <th>Newton</th> <th>Rating</th> </tr> </thead> <tbody> <tr><td>75</td><td>4</td></tr> <tr><td>50</td><td>3</td></tr> <tr><td>25</td><td>2</td></tr> <tr><td>10</td><td>1</td></tr> <tr><td><10</td><td>0</td></tr> </tbody> </table> | Newton | Rating | 75 | 4 | 50 | 3 | 25 | 2 | 10 | 1 | <10 | 0 | <p>Amount of force required to pierce through using a similar sized point as a roofing nail</p> <table border="1"> <thead> <tr> <th>Newton</th> <th>Rating</th> </tr> </thead> <tbody> <tr><td>150</td><td>4</td></tr> <tr><td>100</td><td>3</td></tr> <tr><td>60</td><td>2</td></tr> <tr><td>20</td><td>1</td></tr> <tr><td><20</td><td>0</td></tr> </tbody> </table> | Newton | Rating | 150 | 4 | 100 | 3 | 60 | 2 | 20 | 1 | <20 | 0 | <p>Number of linear sweeps of a rectangle blade with a vertical force to cut through</p> <table border="1"> <thead> <tr> <th>Newton</th> <th>Rating</th> </tr> </thead> <tbody> <tr><td>2 - 4.9</td><td>A</td></tr> <tr><td>5 - 9.9</td><td>B</td></tr> <tr><td>10 - 14.9</td><td>C</td></tr> <tr><td>15 - 21.9</td><td>D</td></tr> <tr><td>22 - 29.9</td><td>E</td></tr> <tr><td>30+</td><td>F</td></tr> </tbody> </table> | Newton | Rating | 2 - 4.9 | A | 5 - 9.9 | B | 10 - 14.9 | C | 15 - 21.9 | D | 22 - 29.9 | E | 30+ | F | <p>Only for gloves intended for impact protection. 4 tests on knuckles impacts ≥7kn</p> <table border="1"> <thead> <tr> <th>Impact Protection</th> <th>Result</th> </tr> </thead> <tbody> <tr><td>Passed</td><td>P</td></tr> <tr><td>Failed</td><td>F</td></tr> <tr><td>Not Tested</td><td>X</td></tr> </tbody> </table> | Impact Protection | Result | Passed | P | Failed | F | Not Tested | X |
| Rubs | Rating | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8000 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2000 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 500 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <100 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Factor | Rating | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20.0 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10.0 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.0 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.5 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <1.2 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Newton | Rating | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <10 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Newton | Rating | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <20 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Newton | Rating | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 - 4.9 | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 - 9.9 | B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 - 14.9 | C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 - 21.9 | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 - 29.9 | E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30+ | F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Impact Protection | Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Passed | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Failed | F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Tested | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ANSI/ISEA 138-2019 - IMPACT RESISTANT GLOVES

This American National Standards Institute's standard sets requirements of gloves designed to protect the knuckles and fingers from impact forces. There are 3 levels of impact resistance under ANSI/ISEA138:2019, the higher the number, the higher the protection. The higher the score number indicates that less force was transmitted to the wearers hand.

The test is performed by dropping a falling weight on the impact areas of the glove recording the force transferred in kilonewtons (kN). Areas tested are knuckles at back of hand, fingers and the thumb. The weakest performance area defines the overall performance level of the glove and the protection level is given at the glove marking.

ANSI/ISEA 138
3 Under 4kN of force transferred to the hand

ANSI/ISEA 138
2 4kN - 6.5kN of force transferred to the hand

ANSI/ISEA 138
1 6.5kN - 9kN of force transferred to the hand

..... 50mm from tip
 ——— 25mm from tip
X Knuckle Tests

ANSI/ISEA 2016 - CUT RESISTANT GLOVES

The American National Standards Institute's ANSI/ISEA 2016 cut resistance standard uses a nine (9) level scale. It quickly helps users identify the cut-resistant glove and sleeves required for the specific hazard faced. ANSI/ISEA 2016 now replaces the previous well known 5 cut levels of ISEA 105:2011.

The level of cut resistance extends from 0 to 6000 grams, based on tests by a Tomodynamometer (TDM Method), which moves a blade back and forth across the material. The higher the weight required to cut through the materials, the higher the cut resistance rating. A higher rating provides the wearer with better protection and cut performance. *(The TDM test is called the ASTM F2992/F2992M-15 and is based on 20mm of blade travel)*

| NEW: ANSI/ISEA 2016 | | OLD: ISEA 105:2011 |
|---------------------|---|---------------------|
| A1 | ≥200g VERY LIGHT CUT HAZARD Applications in warehousing, forestry, gardening, construction, material handling | Cut 1 ≥200g |
| A2 | ≥500g LIGHT CUT HAZARD Applications in assembly, packing, metal handling, construction | Cut 2 ≥500g |
| A3 | ≥1000g LIGHT-MEDIUM CUT HAZARD Applications in assembly, packing, metal handling, construction | Cut 3 ≥1000g |
| A4 | ≥1500g MEDIUM CUT HAZARD Applications in light glass handling, electrical, drywall, HVAC, machining, construction | Cut 4 ≥1500g |
| A5 | ≥2200g MEDIUM-HEAVY CUT HAZARD Applications in glass handling, drywall, HVAC, appliance manufacturing, electrical | |
| A6 | ≥3000g HEAVY CUT HAZARD Applications in light metal stamping, fabrication, sharp glass & metal handling | Cut 5 ≥3500g |
| A7 | ≥4000g HIGH CUT HAZARD Applications in metal/wire/glass manufacturing, aerospace, recycling, HVAC | |
| A8 | ≥5000g VERY HIGH CUT HAZARD Applications in metal/wire/glass manufacturing, aerospace, HVAC, blade handling | |
| A9 | ≥6000g EXTREME CUT HAZARD Applications in metal/wire/glass manufacturing, aerospace, HVAC, blade handling | |