

# MECHANICAL & THERMAL RESISTANCE

## Europe, Middle East and Africa (EMEA) Region

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## Applicable to Great Britain

1. For products that carry CE, the following mark also applies:



2. For products that carry CE 0493, the following mark also applies:



**UK IMPORTERS** Nitritex Limited, Ground Floor, 15 Kings Court,  
Willie Snaith Road, Newmarkey, Suffolk, CB8 7SG,  
United Kingdom

**Ansell (U.K.) Limited**, Block C, Willerby  
Hill Business Park, Willerby, Hull, HU10 6FE,  
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2021-07



1	EN ISO 21420: 2020	2	ABCDEP EN 388: 2016 + A1: 2018
3	ABCDEF EN 407: 2020	4	ABCDEF EN 407: 2020
5	GR ISO 18889: 2019	6	ABC EN 511: 2006
7	EN 12477:2001+A1:2005	8	EN 16350: 2014
9	CE	10	UK CA
11	EAC TP TC 019/2011	12	EAC TP TC 019/2011
13	CA XX.XXX	14	LATEX

## EN - INSTRUCTIONS FOR USE - ANSELL MECHANICAL & THERMAL RESISTANT GLOVES & SLEEVES

**USE:** This instruction for use is to be used in combination with the specific information that appears on the gloves and/or its first packaging. These products are designed to protect the hands (gloves) or arms (sleeves) against the risks as shown by the pictograms depicted, as defined in the relevant EN or EN ISO standards. Please ensure the products are used only for the designated purposes, as explained above. **EXPLANATION OF MARKINGS & PICTOGRAMS THAT MAY APPEAR ON GLOVES/PACKAGING:** 1. **EN ISO 21420: 2020** – Please read the instructions for use, prior to using the products, or contact Ansell for more information. If a level X is mentioned under any of the pictograms, this means this test is not applicable and glove is not designed and therefore not to be used for this specific hazard. 2. **EN 388: 2016 + A1: 2018 Protection from mechanical risks** – A: Abrasion resistance (performance levels 0 to 4) – B: Blade cut resistance (performance levels 0 to 5) – C: Tear resistance (performance levels 0 to 4) – D: Puncture resistance (performance levels 0 to 4) – E: TDM ISO EN 13997 cut resistance (performance levels A to F) – P: Impact Protection (optional) = gloves providing impact protection in the knuckle area of the glove (does not apply to the finger area which cannot be tested). If no P is claimed, no impact protection applies. **Warning!** The performances (A to E) claimed for the gloves are based on tests performed on the palm area of the gloves only. For gloves with two or more layers, these overall performance levels may not necessarily reflect the performance of the glove's outermost layer. For gloves where the palm and back are different, mechanical protection is only applicable to the palm of the glove. 3. **EN 407: 2020 Protection against heat & flames, A1: 2020** – A: Limited flame spread (levels 0 to 4) – B: Contact heat (levels 0 to 4) – only for protection in the palm – C: Convective heat (levels 0 to 4) – protection to both palm and back – D: Radiant heat (levels 0 to 4) – protection to both palm & back – E: Small splashes of molten metal (levels 0 to 4) – protection to palm, back and cuff – F: Large quantities of molten metal (levels 0 to 4) – protection to back & cuff. **Warning!** In the event of a molten metal splash the user shall leave the working place immediately and take off the glove. The glove may not eliminate all risks of burn. For gloves that have multi-layers, the performance is only applicable to the whole product including all layers. 5. **ISO 18889: 2019 Protection against partially or fully dried pesticides** – For gloves where the palm and back are different, protection is only applicable to the palm and fingertips of the glove and only for re-entry workers for use against dry and partially dry pesticide residues that remain on the plant surface after pesticide application. **Warning!** The pesticide resistance information may not reflect the actual duration of protection in the workplace and the differentiation between mixtures and pure chemicals. It is recommended to check that the gloves are suitable for the intended use because the conditions of use at the workplace may differ from the test conditions depending on temperature, abrasion and degradation. When used, protective gloves may provide less resistance to dangerous chemicals due to changes in physical properties. Movements, snagging, rubbing, degradation caused by the chemical contact etc. may reduce the actual use time significantly. For corrosive chemicals, degradation can be the most important factor to consider in selection of chemical resistant gloves. The duration of the test is not based on actual use time since the permeation test is an accelerated test in which the outer surface of the specimen is in constant contact with the test chemical. Although the duration of the exposure may be for a longer period during field application with a dilute formulation, the entire surface is not in constant contact with the test chemical. 6. **EN 511: 2006 Protection against cold** – A: Convective cold (levels 0 to 4) – B: Contact cold (levels 0 to 4) – C: Water penetration (0 or 1) – **Warning!** For gloves that are claimed with level 0, it must be noted that these may lose their cold insulative properties when wet. 7. **Protection against welding: EN 12477: 2001 + A1: 2005, EN 12477A = Protection against higher heat welding applications, including stick and MIG welding, EN 12477B = Protection against lower-heat welding applications that require high glove dexterity, including TIG welding.** When gloves are being used for arc welding, they should not be used to protect against electric shock. The electrical resistance of the glove is reduced if gloves get wet. The glove does not normally allow penetration of UV radiation. There is no standardized test method for detecting UV penetration. 8. **EN 16350: 2014 Gloves suitable for use in areas where flammable or explosive areas exist.**

**REGULATORY MARKINGS:** 9. Product is compliant and certified to the requirements of the European Regulation on Personal Protective Equipment 2016/425, PPE type examination certificate (Module B) and, where applicable, Conformity to type based on quality assurance of the production process (Module D) by Centobel Belgium (I.D. 0493), Technologiepark 70, B-9052 Zwinaarde 10. Product is compliant and certified to the requirements of the Personal Protective Equipment Regulation 2016/425, as brought into UK law and amended. Type examination certificate (Module D) and, where applicable, Supervised product checks (Module C2) or Conformity to type based on quality assurance of the production process (Module D) by Satra Technology Centre, Wyndham Way, Telford Way, Kettering, Northamptonshire, NN16 8SD, UK. To obtain the EU or UK Conformity Declaration, please go to: [www.ansell.com/regulatory](http://www.ansell.com/regulatory) 11. Suitable for contact with foodstuffs. Products carrying this pictogram are in conformity with the European Regulations 1935/2004 and 2023/2006 as well as with all applicable Regulations for Food-contact materials. 12. Product is compliant and certified to the requirements of the Russian Custom Regulation TP TC 019/2011. 13. Certificate of Approval, as defined to the requirements of the Brazilian Regulation (whereas XX.XXX refers to the certificate number). For more detailed information on the product's performance, please consult Ansell. **PRECAUTIONS FOR USE:** Never use the gloves/sleeves with liquid chemicals. If gloves are used for protection in pesticide applications, use only against partially or fully dried pesticides. For gloves having a fabric lining, please be warned that pesticides can potentially be absorbed by such textile fabrics. Before usage, inspect the gloves/sleeves for any defects or imperfections. Avoid donning them if they are dirty on the inside they may irritate the skin, causing dermatitis or worse. The gloves/sleeves should not come in contact with a naked face unless they are claimed with the EN 407 pictogram for protection against heat & flames. EN 407 claimed products are not intended to be used in wet conditions for protection against heat. Gloves/sleeves should be cleaned or washed or wiped dry before removal. Avoid touching contaminated surfaces with bare hands. Gloves/sleeves which have a tear level of 1 or above (as per EN 388) should not be used for protection against serrated blades or when there is a risk of entanglement with moving machine parts. Gloves/sleeves suitable for contact with foodstuffs may show some migration against specific foodstuffs. Please obtain advice from Ansell or contact the Ansell Food Conformity declaration to know if specific restrictions apply and for which specific foodstuffs the gloves/sleeves can be used. If the gloves/sleeves are marked, the printed surfaces shall not come in contact with food. If gloves/sleeves are being used in explosive environments (ATEX), please ensure they meet the EN 16350 requirements. Persons wearing these products should be properly earthed, e.g. by wearing adequate footwear & clothing. **Warning!** The gloves/sleeves shall not be unpacked, opened, adjusted or removed whilst in flammable or explosive atmospheres. The electrostatic properties of the gloves/sleeves might be adversely affected by ageing, wear, contamination and damage and might not be sufficient for oxygen enriched flammable atmospheres where additional assessments are necessary. If gloves/sleeves are used for welding applications, ensure they mention EN 12477. **INGREDIENTS/HAZARDOUS INGREDIENTS:** Some gloves/sleeves 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. 14. **Warning!** If gloves/sleeves contain natural latex, this would be mentioned on the packaging. In that case, THIS PRODUCT MAY CAUSE ALLERGIC REACTIONS to sensitised people. **CARE INSTRUCTIONS:** Storage: Keep away from direct sunlight; store in a cool dry place and keep in the original packaging. Keep away from ozone sources. If gloves/sleeves are properly stored, as indicated above, they won't lose their performances and won't change the glove characteristics significantly. If gloves/sleeves could be affected by ageing or storage, the expiry date is mentioned on the products and/or its packaging materials. **Cleaning:** Gloves/sleeves that can be laundered will carry care pictograms, which will be depicted on the specific information on or inside each packaging enclosure. For these gloves, the performances of the unused glove will not be reduced after 1 laundering cycle. It is the customer or launderer who is responsible for the performances of the gloves after laundering when the gloves have already been used. Ansell cannot be held liable for this. **DISPOSAL:** Used products which are contaminated with infectious or other hazardous materials such as residual pesticides should be disposed and not reused. Gloves/sleeves should be disposed once they show any visible sign of degradation during usage, such as discoloration, tearing, holes and weakening of the gloves. Dispose of according to Local Authority Regulations. Landfill or incinerate under controlled conditions.

