

Tempshield

P.O. Box 199 Mt. Desert, ME 04660 USA www.tempshield.com

Notice of Use: **Waterproof Cryo-Gloves®**

Issue Date: October 15, 2025

Statement of Use: Waterproof Cryo-Gloves® are multi-layer protective cryogenic gloves designed to provide a high level of protection to the hands and arms from extremely cold temperatures, in cold atmospheres, from transmission of cold through direct contact with cold cold objects, and from splashes and contact with cold liquids. The gloves are intended for use in a variety of applications and under a wide range of conditions where durability and waterproofness are required in a cryogenic glove. They also offer limited protection against mechanical risks on the palm area.

- Proper fit contributes to correct product performance - a tight fit leads to thermal loss. A loose fit leads to poor dexterity.
- Gloves should be loose-fitting enough for rapid removal in hazardous environments.
- Emergency removal is accomplished by a hard downward shake of the affected hand and arm.
- Select an appropriate glove length for your application.
- The date of manufacture is listed on the inside label. The lifespan varies depending on the number of uses, the tasks being performed, storage, and cleanliness. Periodically inspect the condition of your gloves. Replace gloves that are cut, torn, punctured, or are abraded to the white liner. Dispose of gloves at end of life according to local regulations for wearing apparel.

Limits of Use: The maximum duration of exposure at ultra cold temperatures is dependent on many variables, including atmospheric conditions, the task being performed and the user’s physiology. The thermal flux transmitted through the glove is sufficiently low to allow the user adequate time to safely remove themselves from the hazard.

Warning:

- Not for immersion in liquid cryogenes.
- Due to their low vapor absorption and transmission relating to perspiration, the gloves should be used for short periods.
- Not for protection against heat. Do not use near open flames or ignition sources.
- Do not wear when there is a risk of entanglement in moving parts of a machine.

Care instructions: Store in a clean dry space. Do not store underneath heavy objects that could compress the insulation. Do not machine wash or dry.*

* Waterproof Cryo-Gloves® were not submitted for CE wash testing.



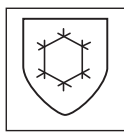
Disinfection: Waterproof Cryo-Gloves® should not be sterilized by autoclave to maintain their full cold protective capabilities.

Packaging: Waterproof Cryo-Gloves® are packaged in pairs in LDPE N° 4 recyclable poly bags.

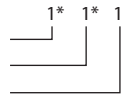
For shipping: Individually packaged pairs of gloves shall be additionally packaged in a suitable recyclable cardboard shipping carton constructed to meet all applicable freight requirements.

Waterproof Cryo-Gloves® satisfy all the basic health and safety requirements of the PPE Regulation (EU) 2016/425. They are ergonomically designed, absent of risks and nuisance factors, contain no materials known to cause allergies or health hazards, and are comfortable to wear for extended periods.

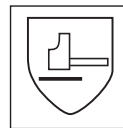
EN 511:2006



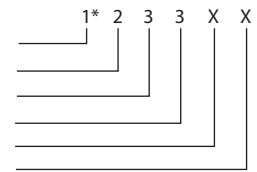
Convective Cold
Contact Cold
Water Impermeability



EN 388:2016
+ A1:2018



Abrasion Resistance
Cut Resistance (Coup)
Tear Resistance
Puncture Resistance
Cut Resistance (TDM)
Impact Resistance



| Performance: EN 511:2006 | Level | Performance: EN 388:2016 + A1:2018 ‡ | Level | AITEX (Notified Body 0161) Liquid Nitrogen Splash Test |
|---|--------------|---|--------------|--|
| Convective Cold | 1* / 4 ** | Abrasion Resistance | 1* / 4 ** | Placed under a 500ml pour of liquid nitrogen, the average ‡ drop in internal glove temperature is: 0.60°C at 30 seconds 1.40°C at 60 seconds ‡ based on 6 measurements. |
| Contact Cold | 1* / 4 ** | Cut Resistance (Coup test) | 2 / 5 ** | |
| Water Impermeability | 1 | Tear Resistance | 3 / 4 ** | |
| Flexibility Behavior | Pass | Puncture Resistance | 3 / 4 ** | |
| Extreme Cold Flexibility (-50°C) | Pass | Cut Resistance (TDM test) | X | |
| | | Impact Resistance | X | |
| * Testing supports a Convective Cold level of 4 and a Contact Cold level of 2, but the Abrasion Resistance level of 1 allows reporting of Convective and Contact Cold levels of 1 only. | | ‡ The actual levels achieved for EN 388 tests (first number) do not necessarily reflect the performance of the outermost layer. | | |
| ** The highest numbers (_ / _) correspond to the highest levels that can be achieved according to the test methods. | | "X" indicates that the test has not been performed because it is not applicable for the glove's intended use. | | |

| Performance: EN ISO 21420:2020 | Level | Performance: EN ISO 21420:2020 EN ISO 14362-1:2017 | Level | Performance: EN ISO 14184-1:2011 | Level |
|---|---------------------------|---|--------------|---|----------------------------------|
| pH..... | Pass | Azo Colorants | < 30 mg / kg | Formaldehyde | < 16 mg / kg (not detectable) |
| Sizing | 8 - 9 - 10 - 11 - 12 - 13 | | | | |
| Dexterity | 2 / 5 ** | | | | |

** The highest numbers (_ / _) correspond to the highest levels that can be achieved according to the test methods.

Waterproof Cryo-Gloves® Available styles and sizes:

| Model | Size: U.S. | EN ISO 21420:2020 | Model | Size: U.S. | EN ISO 21420:2020 | Model | Size: U.S. | EN ISO 21420:2020 | Model | Size: U.S. | EN ISO 21420:2020 |
|---------------------|-----------------------------|------------------------------------|-----------------------|-----------------------------|------------------------------------|---------------------|-----------------------------|------------------------------------|------------------------|-----------------------------|------------------------------------|
| Wrist Length | | | Mid-Arm Length | | | Elbow Length | | | Shoulder Length | | |
| WRSWP | S | 8 | MASWP | S | 8 | EBSWP | S | 8 | SHSWP | S | 8 |
| WRMWP | M | 9 | MAMWP | M | 9 | EBMWP | M | 9 | SHMWP | M | 9 |
| WRLWP | L | 10 | MALWP | L | 10 | EBLWP | L | 10 | SHLWP | L | 10 |
| WRXLWP | XL | 11 | MAXLWP | XL | 11 | EBXLWP | XL | 11 | SHXLWP | XL | 11 |
| WRXXLWP | XXL | 12 | MAXXLWP | XXL | 12 | EBXXLWP | XXL | 12 | SHXXLWP | XXL | 12 |
| WR3XLWP | 3XL | 13 | MA3XLWP | 3XL | 13 | EB3XLWP | 3XL | 13 | SH3XLWP | 3XL | 13 |

Retain this document for your records. Additional copies can be obtained from our Customer Service Department at info@tempshield.com.

Copies of the EU Declaration of Conformity may be obtained at the following web address:
<https://tempshield.com/pages/eu-declaration-of-conformity>



Cat. III

EU Type Examination was conducted, and certificate no. 19 / 1105 / 01 / 0161 issued, by ASOCIACION DE INVESTIGACION DE LA INDUSTRIA TEXTIL, Carretera de Bañeres N° 10 and Calle Societat Unió Musical 03802 Alcoy (ALICANTE) Spain, Notified Body # 0161.



Cat. III

The gloves are subject to the conformity assessment procedure Module D of the EU PPE Regulation (Regulation (EU) 2016/425), with certificate no. SH00311. This is under the surveillance of Notified Body Shirley®, Port Tunnel Business Park, Office 13 Unit 21, Dublin 17, ROI, Notified Body # 2895.