

Tempshield

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

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

Issue Date: 18/10/2023

Statement of Use: Waterproof Cryo-Grip® 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 objects, and from small splashes and accidental contact with cryogenic fluids. The gloves are intended for use in a variety of applications and under a wide range of conditions where durability, waterproofness, and a higher level of grip are required in a cryogenic glove. They also offer limited protection against mechanical risks on the palm area.

- Gloves should be loose-fitting for maximum performance and for rapid removal in hazardous environments.
- Emergency removal is accomplished by a hard downward shake of the affected hand and arm.
- Proper fit contributes to correct product performance - a tight fit leads to thermal loss.
- Select an appropriate glove length for your application: CGWR_WP for protection to the hand (the wrist area is not protected); CGMA_WP for protection to the mid-arm, CGEB_WP for protection to the elbow, and CGSH_WP for protection to the shoulder.
- The date of manufacture date 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.

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 cryogenics.
- 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-Grip® Gloves were not submitted for CE wash testing.



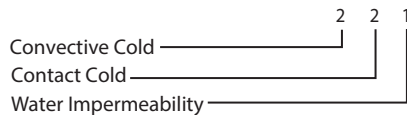
Disinfection: Waterproof Cryo-Grip® Gloves should not be sterilized by autoclave to maintain their full cold protective capabilities.

Packaging: Waterproof Cryo-Grip® Gloves are packaged in pairs in poly bags.

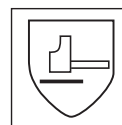
For shipping: individually packaged pairs of gloves are additionally packaged in a suitable shipping carton constructed to meet all applicable freight requirements.

Waterproof Cryo-Grip® Gloves satisfy all the basic health and safety requirements of the PPE Regulation (EU) 2016/425 for the EU. 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.

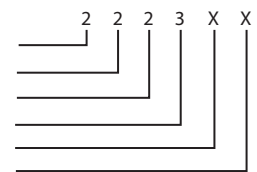
EN 511:2006



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	2 / 4 *	Abrasion Resistance	2 / 4 *	Placed under a 500ml pour of liquid nitrogen, the average** drop in internal glove temperature is: 0.31°C at 30 seconds 1.33°C at 60 seconds **based on 6 measurements.
Contact Cold	2 / 4 *	Cut Resistance (Coup test)	2 / 5 *	
Water Impermeability	1	Tear Resistance	2 / 4 *	
Flexibility Behavior	Pass	Puncture Resistance	3 / 4 *	
Extreme Cold Flexibility (-50°C)	Pass	Cut Resistance (TDM test)	X	
		Impact Resistance	X	
* The highest numbers (_ / _) correspond to the highest levels that can be achieved according to the test methods.				
‡ The actual levels achieved for EN 388 tests (first number) do not necessarily reflect the performance of the outermost layer.				
"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 + A1:2022		Level	Performance: 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		3 / 5 **						
** The highest numbers (_ / _) correspond to the highest levels that can be achieved according to the test methods.								

Waterproof Cryo-Grip®Gloves Available styles and sizes:											
Model	Size: U.S.	EN ISO 21420:2020 + A1:2022	Model	Size: U.S.	EN ISO 21420:2020 + A1:2022	Model	Size: U.S.	EN ISO 21420:2020 + A1:2022	Model	Size: U.S.	EN ISO 21420:2020 + A1:2022
Wrist Length			Mid-Arm Length			Elbow Length			Shoulder Length		
CGWRSWP	S	8	CGMASWP	S	8	CGESWP	S	8	CGSHSWP	S	8
CGWRMWP	M	9	CGMAMWP	M	9	CGEBMWP	M	9	CGSHMWP	M	9
CGWRLWP	L	10	CGMALWP	L	10	CGEBLWP	L	10	CGSHLWP	L	10
CGWRXLWP	XL	11	CGMAXLWP	XL	11	CGEBXLWP	XL	11	CGSHXLWP	XL	11
CGWRXXLWP	XXL	12	CGMAXXLWP	XXL	12	CGEBXXLWP	XXL	12	CGSHXXLWP	XXL	12
CGWR3XLWP	3XL	13	CGMA3XLWP	3XL	13	CGEB3XLWP	3XL	13	CGSH3XLWP	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. 23 / 6445 / 00 / 0161 issued, by ASOCIACION DE INVESTIGACION DE LA INDUSTRIA TEXTIL, Plaza Emilio Sala, 1, E-03801 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.