

Tempshield

EN

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

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

Issue Date: 05/24/2021

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 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.

- 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 product performance - a tight fit leads to thermal loss.
- Select an appropriate glove length for your application.
- Periodically inspect the condition of your gloves - replace gloves that are punctured, damaged or that show excessive wear.

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.
- 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.*



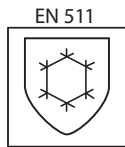
* Waterproof Cryo-Gloves® were not submitted for CE wash testing.

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

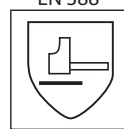
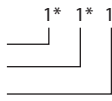
Packaging: Waterproof Cryo-Gloves® are packaged in pairs in poly bags.

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

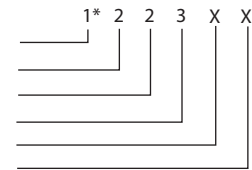
Waterproof Cryo-Gloves® satisfy all the basic health and safety requirements of the PPE Regulation (EU) 2016/425. They are ergonomically designed, absent of risks and nuisance factors, contain no materials known to cause allergies or health hazards, and are comfortable to wear for extended periods.



Convective Cold
Contact Cold
Water Impermeability



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



Performance: EN 511:2006	Level	Performance: EN 420:2003 + A1:2009	Level	Performance: EN 388:2016 + A1: 2018 ‡	Level	Performance: MR 019 Liquid Nitrogen Immersion
Convective Cold	4* / 4**	pH.....	Pass	Abrasion Resistance	1* / 4**	Average time for internal
Contact Cold	2* / 4**	Sizing	8-9-10-11-12 †	Cut Resistance (Coup test)	2 / 5**	glove temperature to
Water Impermeability	1 / 1**	Dexterity	2 / 5**	Tear Resistance	2 / 4**	drop from 35°C to 5°C =
Flexibility Behavior	Pass	† Sizing conforms to an expert decision.		Puncture Resistance	3 / 4**	71.5 seconds PASS
Extreme Cold Flexibility.....	Pass			Cut Resistance (TDM test)	X	
*Testing supports a Convective Cold level of 4 and Contact Cold level of 2, but the Abrasion Resistance level of 1 allows reporting of Cold levels of 1 only.				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.		

Waterproof Cryo-Gloves			Available sizes and styles:			Waterproof Cryo-Gloves			Available sizes and styles:		
Model	Size: U.S.	EN 420	Model	Size: U.S.	EN 420	Model	Size: U.S.	EN 420	Model	Size: U.S.	EN 420
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

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>.



EU Type Examination was conducted by ASOCIACION DE INVESTIGACION DE LA INDUSTRIA TEXTIL Plaza Emilio Sala, 1 E-03801 ALCROY (ALICANTE) Spain, Notified Body # 0161.



The gloves are subject to the conformity assessment procedure Module D under surveillance of Shirley®, Port Tunnel Business Park, Office 13 Unit 21, Dublin 17, ROI, Notified Body # 2895.