

Tempshield

P.O. Box 199 Mt. Desert, ME 04660 USA

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Notice of Use: **Cryo-Gloves®**

Issue Date: 06/17/19 Rev.: H

Statement of Use: 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, both in cold atmospheres and from transmission of cold through direct contact with cold objects. The gloves are intended for use in a variety of applications and under a wide range of conditions where durability is required in a cryogenic glove.

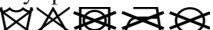
- Gloves should be loose-fitting for maximum performance and for rapid removal in hazardous environments.
- Emergency removal is accomplished by a hard downward shake of the affected hand and arm.
- Proper fit contributes to correct product performance - a tight fit leads to thermal loss.
- Select an 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.
- These gloves are not completely waterproof. When handling cryogenic liquids, Waterproof Cryo-Gloves® should be used.
- 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.

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.* 

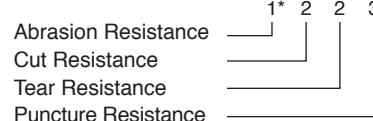
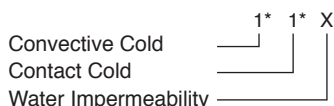
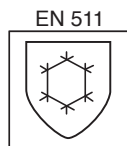
* Cryo-Gloves® were not submitted for CE wash testing.

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

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

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

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.



Performance: EN 511:2003	Level	Performance: EN 420:2003 + A1:2009	Level	Performance: EN 388:2016	Level	Performance: MR 019 Liquid Nitrogen Immersion
Convective Cold	3*	pH.....	Pass	Abrasion Resistance	1*	Average time for internal glove temperature to drop from 35°C to 5°C = 71.5 seconds PASS
Contact Cold	2*	Sizing	8-9-10-11-12-13**	Cut Resistance	2	
Water Impermeability	X	Dexterity	2	Tear Resistance	2	
Flexibility Behavior	Pass	**Sizing conforms to an expert decision.		Puncture Resistance	3	
Extreme Cold Flexibility...	Pass					

*Testing supports a Convective Cold level of 3 and Contact Cold level of 2, but the Abrasion Resistance level of 1 allows reporting of Cold levels of 1 only.

Cryo-Gloves® Available styles and sizes:															
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			
WRS	S		8	MAS	S		8	EBS	S		8	SHS	S		8
WRM	M		9	MAM	M		9	EBM	M		9	SHM	M		9
WRL	L		10	MAL	L		10	EBL	L		10	SHL	L		10
WRXL	XL		11	MAXL	XL		11	EBXL	XL		11	SHXL	XL		11
WRXXL	XXL		12	MAXXL	XXL		12	EBXXL	XXL		12	SHXXL	XXL		12
WR3XL	3XL		13	MA3XL	3XL		13	EB3XL	3XL		13	SH3XL	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>.



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



Module D surveillance is conducted by Shirley Technologies LTD (trading as BTTG) Unit 6, Wheel Forge Way, Trafford Park, Manchester M17 1EH United Kingdom Notified Body # 0338

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