Tempshield

EN

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

Notice of Use: **Cryo-Gloves®**

Issue Date: 05/24/2021

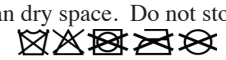
Statement of Use : Cryo-Gloves® are multi-layer protective cryogenic gloves designed to provide a high level of protection to the hands and arms from extremely cold temperatures, both in cold atmospheres and from transmission of cold through direct contact with cold objects. The gloves are intended for 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 cryogens.
- 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.
- 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.* 

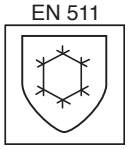
* Cryo-Gloves® were not submitted for CE wash testing.

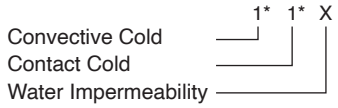
Disinfection: Cryo-Gloves® should not sterilized by autoclave to maintain their full cold protective capabilities.

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.

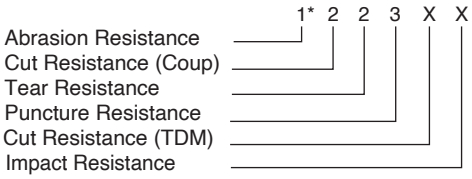
EN 511





EN 388





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	3* / 4 **	pH	Pass	Abrasion Resistance	1* / 4 **	Average time for internal glove temperature to drop from 35°C to 5°C = 71.5 seconds .... PASS
Contact Cold	2* / 4 **	Sizing	8-9-10-11-12 †	Cut Resistance (Coup test)	2 / 5 **	
Water Impermeability	X	Dexterity	2 / 5 **	Tear Resistance	2 / 4 **	
Flexibility Behavior	Pass	† Sizing conforms to an expert decision.		Puncture Resistance	3 / 4 **	
Extreme Cold Flexibility	Pass			Cut Resistance (TDM test)	X	
				Impact Resistance	X	

* 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.

** 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.

Cryo-Gloves® Available styles and sizes:

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**		
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

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.

CE 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.

CE 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.