EN

Tempshield

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Notice of Use: **Cryo-Industrial® Gaiters**

Issue Date: 20/06/2023

Statement of Use: Cryo-Industrial® Gaiters are multi-layer protective cyrogenic gaiters designed to provide a high level of protection to thelower legs and tops of the feet from splashes of cold liquids, and a degree of protection from transmission of cold through direct contact with cold objects. The gaiters are intended for use in a variety of applications and under a wide range of conditions.

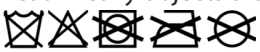
- Cryo-Industrial® Gaiters are meant to be worn with the opening on the outside of the leg.
- Choose the appropriate gaiter for your application, based on the fabric type.
- Place the shaped toe cap over the foot before securing the sides. Cryo-Industrial® Gaiters have Velcro® closures on the side, allowing for a secure fit on a wide variety of leg sizes. The Velcro® should be fastened so that the gaiter fits snugly on the leg.
- Emergency removal is accomplished by grabbing the tab at the outside top of the leg and pulling forward with a sharp quick motion.
- Cryo-Industrial® Gaiters are offered in a fixed height. When handling cryogenic liquids, a Cryo-Industrial® Apron selected to overlap slightly with the top of the gaiters should also be worn. In any situation when handling items frozen in cryogenic liquids, Cryo-LNG™ Gloves or Waterproof Cryo-Gloves® should also be worn.
- Periodically inspect the condition of your gaiters. Replace gaiters that are cut, torn, punctured, or abraded to the white insulation.

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 gaiters is sufficiently low to allow the user adequate time to safely remove themselves from the hazard.

Warning:

- Cryo-Industrial® Gaiters do not protect the bottom of the feet against pooled spills of cryogenic fluids.
- Cryo-Industrial® Gaiters should be worn with closed-toe shoes.
- Cryo-Industrial® Gaiters are not meant 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-Industrial® Gaiters were not submitted for CE wash testing.

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

Packaging: Cryo-Industrial® Gaiters are packaged in pairs inside a polybag.
For shipping: Individually packaged pairs of gaiters shall be additionally packaged in a suitable shipping carton constructed to meet all applicable freight requirements.

Cryo-Industrial® Gaiters satisfy all of the basic health and safety requirements of the PPE Regulation (EU) 2016/425 for the EU, and for the UK, PPE Regulation (EU) 2016/425 as brought into UK Law and amended. They are ergonomically designed, absent of risks and nuisancefactors, contain no materials known to cause allergies or health hazards, and are comfortable to wear for extended periods.

Performance: EN 388:2016 + A1:2018 ‡	Level
Point 6.1 - Abrasion Resistance	2 / 4 *
Point 6.4 - Tear Resistance	4 / 4 *
Point 6.5 - Puncture Resistance	4 / 4 *

‡ 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.

Performance: EN ISO 7854:1997 - Method A	Level
Flex Cracking	Pass

Performance: EN ISO 2286-3:1998 + ISO 4675:1990	Level
Extreme Cold Flexibility (-50˚)	Pass

Performance: ISO 5085-1:1989	Level
Contact Cold	2 / 4 *

Performance: EN ISO 13688:2013 + A1:2021	Level
pH	Pass

Performance: EN ISO 14362-1:2017	Level
Azo Colorants	< 30 mg / kg

Performance: EN ISO 14184-1:2011	Level
Formaldehyde	< 16 mg / kg (not detectable)

Performance: EN ISO 13688:2013

Cryo-Industrial® Gaiters available sizes and styles:

Model	Width	Height
CPIGR	33 cm - 48 cm / 13" - 19"	40.5 cm / 16"

Performance: EN ISO 11092:2014	Level
Textiles - Resistance to Water Penetration	>1000 cm/H_2O

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

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

CE Cat. III — EU Type Examination was conducted, and certificate no. 19 / 1695 / 00 / 0161 issued, by ASOCIACION DE INVESTIGACION DE LA INDUSTRIA TEXTIL, Plaza Emilio Sala, 1, E-03801 ALCOY (ALICANTE) Spain, Notified Body # 0161.

CE Cat. III — The gaiters 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.

UKCA Cat. III — The gaiters are classified as Personal Protective Equipment (PPE) by the UK Personal Protective Equipment Regulations (Regulation 2016/425 as brought into UK law and amended), ITS Testing Services UK Ltd, Centre Court, Meridian Business Park, Leicester LE19 1WD, UK, Approved Body # AB0362.

UKCA Cat. III — The gaiters are subject to the conformity assessment procedure Annex VI (Module D) of Regulation (EU) 2016/425,and as amended to apply in the UK, under surveillance of BTTG®, Unit 6 Wheel Forge Way, Trafford Park, Manchester M17 1EH, UK, Approved Body # 0338.