

## WHAT IS A THERMAL PROTECTION GLOVE - COLD ?

The EN 511 standard applies to all gloves that protect the hands against convective and contact cold down to -50°C. The pictogram "risk by cold" is accompanied by a 3-digit number.



Tests	Performance levels					
	0	1	2	3	4	5
<b>A. Convective cold resistance</b> : convective cold transfer (thermal insulation in m <sup>2</sup> , °C/W)		≥ 0.10	≥ 0.15	≥ 0.22	≥ 0.30	-
<b>B. Resistance to contact cold</b> : thermal resistance on contact with a cold object (thermal resistance in m <sup>2</sup> , °C/W)		≥ 0.025	≥ 0.050	≥ 0.100	≥ 0.150	-
<b>C. Water permeability</b> after 30 min. exposure	Water penetration	No water penetration	-	-	-	-

Level X: the test is not applicable or the glove has not been tested.

## WHAT IS A THERMAL-HOT PROTECTION GLOVE?

The standard EN 407 : 2004 defines the requirements and test methods against thermal, heat and/or fire hazards. The pictogram is accompanied by 6 numbers illustrating the level of protection: index from 0 to 4.



Tests	Performance levels				
	0	1	2	3	4
<b>A. Flammability / fire behaviour resistance</b> : flame persistence time (s.), the time during which the material remains ignited and then continues to burn after the source of ignition has been removed		≤ 20 s	≤ 10 s	≤ 3 s	≤ 2 s
<b>B. Contact heat resistance</b> : temperature at which the wearer of the gloves will not feel any pain for a period of at least 15 s.		100 °C	250 °C	350 °C	500 °C
<b>C. Convective heat resistance</b> : heat transfer in seconds, time during which the glove is able to delay the heat transfer of a flame		≥ 4 s	≥ 7 s	≥ 10 s	≥ 18 s
<b>D. Radiant heat resistance</b> : heat transmission in seconds, the time during which the glove is able to delay heat transfer when exposed to a radiant source		≥ 5 s	≥ 30 s	≥ 90 s	≥ 150 s
<b>E. Resistance to small splashes of molten metal</b> : amount of molten metal required to achieve a temperature rise of 40°C (number of drops)		≥ 5	≥ 15	≥ 25	≥ 35
<b>F. Resistance to large splashes of molten metal</b> mass (g) of molten metal required to cause a superficial burn		≥ 30 g	≥ 60 g	≥ 120 g	≥ 200 g

Level X: the test is not applicable or the glove has not been tested. Sources: shieldscientific.fr and ansell.fr

## MAPA Thermal protection gloves

► For all work requiring protection against extreme temperatures



TEMPDEX 710



TEMPDEX 720



TEMPCOOK 476

Model	Material	Interior finish	Length/Thickness	Standards	Description / Applications	Size	Cat. No.	Packaging unit	€
TEMPDEX 710 CE Cat. 2	Nitrile sand	Knitted seamless/ Nitrile coating and dot embossing on palm and fingers	240 to 280 mm (depending on size)	4111X X1XXXX	<ul style="list-style-type: none"> <li>► <b>Description</b></li> <li>• Dexterity assured: thinness and anatomical shape of the glove</li> <li>• Superior durability: excellent abrasion resistance</li> <li>• Special Nitrile Grip coating for medium oily environments</li> <li>• Knitted cuff</li> <li>► <b>Applications</b></li> <li>• For handling hot items (maximum recommended temperature : 125 °C) and slightly oily</li> <li>• Protects against cuts (720 only)</li> </ul>	7	430127B	Bag of 10 pairs	NC -
						9	430056B		NC -
						11	430057B		NC -
TEMPDEX 720 CE Cat. 2	Nitrile sand	Seamless knitted made from aramid fibres/ Nitrile coating, dot embossing on palms and fingers	240 to 280 mm (depending on size)	4343B X2XXXX	<ul style="list-style-type: none"> <li>► <b>Description</b></li> <li>• thermal protection up to 250 °C</li> <li>• Washable, resistant to oils, greases and major detergents.</li> <li>• Sizes : 9 = small, 11 = medium, 12 = large. Allow two extra sizes for the inner thickness.</li> <li>► <b>Applications</b></li> <li>• Autoclaves and food processing applications</li> </ul>	7	430058	Bag of 12 pairs	NC -
						9	430059		NC -
						11	430060		NC -
TEMPCOOK 476 CE Cat. 3	Nitrile	Thermal protection knit / Anti-slip surface	450 mm	4443D X2XXXX 111 Type A AFGJOT	<ul style="list-style-type: none"> <li>► <b>Description</b></li> <li>• thermal protection up to 250 °C</li> <li>• Washable, resistant to oils, greases and major detergents.</li> <li>• Sizes : 9 = small, 11 = medium, 12 = large. Allow two extra sizes for the inner thickness.</li> <li>► <b>Applications</b></li> <li>• Autoclaves and food processing applications</li> </ul>	7	430058B	Bag of 1 pair	NC -
						9	430059B		NC -
						11	430060B		NC -
						12	430130B	Bag of 1 pair	NC -

## Heat Protection Gloves



- Heat resistant, protection up to 370 °C
- Low thermal conductivity
- Double layer, knitted
- Washable, non-shrinking
- Good chemical resistance
- In nomex, asbestos-free

- Also suitable for use at low temperatures
- Available in 3 sizes and 2 lengths (30 or 52 cm)
- Tested against EN388 (1, x 4, x) and EN 407
- CE marking

Size	Gloves L = 30 cm	€ the pair	Gloves L = 52 cm	€ the pair
Small	446650	NC -	446654	NC -
Medium	446651	NC -	446655	NC -
Large	446652	NC -	446656	NC -
Extra Large	446653	NC -	446657	NC -