

Chemical and thermal gloves

Work with prolonged chemical resistance



Work with occasional chemical resistance



Disposable



: PU	: Nitrile	: PVC	: Latex
: Vinyl	: Leather	: Neoprene	: Other
: Supported	: Flocked	: Chlorinated	
: Powdered	: Non powdered	: Without	
: Long cuff	: Tactile	: Grip	
: Fine Touch	: Waterproof	: Heat contact	
A : EN ISO 374-1 Type A	B : EN ISO 374-1 Type B	C : EN ISO 374-1 Type C	
A : EN12477 Type A	B : EN12477 Type B		

Chemical protection

Thermal protection

Thermal heat works



Thermal welding works



Thermal cold works



Thermal specific works



Cold Risk



EN511 - COLD RISK

The EN511 standard defines the requirements and test methods for cold protection gloves from cold transmitted by convection or conduction down to -30°C (optionally up to -50°C). This cold can be from climatic conditions or industrial activity.

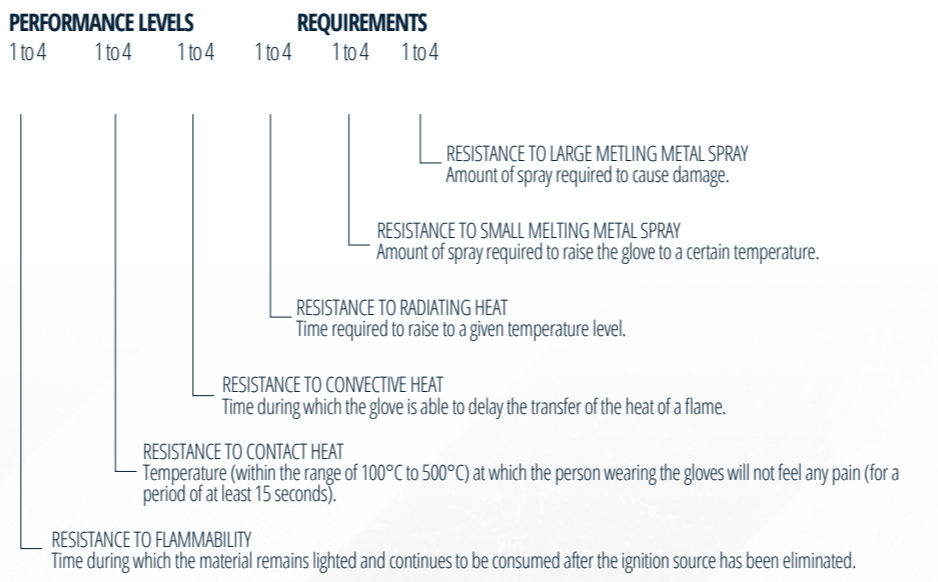


PERFORMANCE LEVEL	INTENSE ACTIVITY	AVERAGE ACTIVITY	SLOW ACTIVITY
1	-10°C ≤ T < 0°C		
2	-30°C < T	0°C ≤ T < 10°C	
3		-15°C < T	5°C < T
4		-30°C < T	-10°C < T

Heat and fire risk

EN407 - HEAT AND FIRE RISK

The EN407 standard specifies the test methods, the general requirements, the thermal performance and the labelling of gloves and cuffs to protect from heat and fire. It applies to all gloves which must protect hands from heat and/or flames in any one or several of the following forms: fire, contact heat, convective heat, radiating heat, small spray of molten metal or large spray of melting metal.



If the product **claims** flammability resistance, the pictogram will be . If the product **does not claim** any resistance to flammability (0 or X), the pictogram will be .

PERFORMANCE LEVEL	CONTACT TEMPERATURE °C	THRESHOLD TIME (second)
1	100°C	≥ 15 s
2	250°C	≥ 15 s
3	350°C	≥ 15 s
4	500°C	≥ 15 s

EN12477 - WELDERS RISK

Requirements and test methods for gloves used for manual welding of metals, for cutting and related techniques.

Welding gloves are classified into two types:

Type **A**: concerns gloves with higher protection against heat but whose flexibility and dexterity are less. (Ex MIG welding)

Type **B**: concerns gloves with less effective protection against heat but whose flexibility and dexterity are greater. (Ex TIG welding)



CHEMICAL AND THERMAL GLOVES



06/2022 - n°1758 - DOCGB1758 - GB - This is a non-contractual document subject to printing errors, reproduction is prohibited.



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Chemical resistance table

Choose the right glove according to the chemical environment

	CAS number	Natural latex	Neoprene	Nitrile	PVC vinyl
20% nitric acid	7697-37-2	Orange	Orange	Red	Red
30% and 5% hydrochloric acid	7647-01-0	Green	Green	Green	Orange
30% formaldehyde	50-00-0	Green	Green	Green	Green
30% hydrofluoric acid	7664-39-3	Orange	Green	Green	Orange
85% triethanolamine	102-71-6	Green	Green	Green	Green
90% formic acid	64-18-6		Orange	Red	Red
Acetaldehyde	75-07-0	Green	Green	Red	
Acetone	67-64-1	Green	Orange		
Ammonium acetate	631-61-8	Green	Green	Green	Green
Ammonium carbonate	10361-29-2	Green	Green	Green	Green
Ammonium chloride	12125-02-9	Green	Green	Green	Green
Amyl alcohol	71-41-0	Green	Green	Green	Green
Aniline	62-53-3	Orange	Orange	Red	
Benzaldehyde	100-52-7			Red	
Benzene	71-43-2			Red	
Benzyl alcohol	100-51-6	Red	Orange	Orange	Orange
Bichromate of potash	7778-50-9	Red	Green	Green	Green
Butyl acetate	123-86-4		Red	Red	Red
Butyl alcohol (or n-butanol)	71-36-3	Green	Green	Green	Green
Calcium acetate	62-54-4	Green	Green	Green	Green
Calcium chloride	10043-52-4	Green	Green	Green	Green
Calcium hydrate	1305-62-0	Green	Green	Green	Green
Calcium nitrate	10124-37-5	Green	Green	Green	Green
Carbon tetrachloride	56-23-5		Red	Orange	Red
Chlorinated lime	7778-54-3	Green	Green	Green	Green
Chlorine	7782-50-5		Green	Green	Green
Chloroform	67-66-3		Red	Orange	
Chromic acid	7738-94-5			Red	Orange
Citric acid	77-92-9	Green	Green	Green	Green
Concentrated ammonia (aqueous solution)	1336-21-6	Green	Green	Green	Green
Concentrated boric acid	10043-35-3	Green	Green	Green	Green
Concentrated sulphuric acid	7664-93-9		Red		Orange
Creosote	8001-58-9	Red	Green	Green	Green
Cresol	1319-77-3		Green	Green	Green
Crystallisable acetic acid	64-19-7	Green	Green	Orange	Red
Cyclohexane	110-82-7		Red	Orange	
Cyclohexanol	108-93-0	Green	Green	Green	Green
Cyclohexanon	108-94-1	Red	Red		
Dibutyl ether	142-96-1		Red	Green	
Dibutyl phtalate	84-74-2	Orange	Red	Green	
Diehanolamine	111-42-2	Green	Green	Green	Green
Dioctylphtalate	117-81-7	Orange	Green	Green	
Ethyl acetate	141-78-6		Red	Red	Red
Ethyl alcohol (or ethanol)	64-17-5	Green	Green	Green	Green
Ethylamine	75-04-7	Red	Red	Green	Red
Ethylene dichloride	107-06-2			Red	
Ethylene glycol	107-21-1	Green	Green	Green	Green
Formaldehyde	50-00-0	Green	Green	Green	Green
Furol (furfural or furaldehyde)	98-01-1	Green	Orange		
Glycerin	56-81-5	Green	Green	Green	Green

	CAS number	Natural latex	Neoprene	Nitrile	PVC vinyl
Glycols	107-21-1	Green	Green	Green	Green
Hexane	110-54-3		Red	Green	Red
Hydrobromic acid	10035-10-6	Green	Red	Red	Red
Isobutyl alcohol (Isobutanol)	78-83-1	Green	Green	Green	Green
Magnesia	1309-48-4	Green	Green	Green	Green
Methyl acetate	79-20-9	Red	Green	Red	Red
Methyl alcohol (or methanol)	67-56-1	Green	Green	Green	Green
Methyl salicylate	119-36-8	Green	Green	Green	Green
Methylamine	74-89-5	Green	Orange	Green	Green
Methylaniline	100-61-8	Red	Red	Green	Green
Methylcyclopentane	96-37-7		Red	Green	Red
Methylene chloride	75-09-2		Red	Red	
Mono ethanol amine	141-43-5	Green	Green	Green	Green
Naphtalene	91-20-3		Red	Orange	Red
N-butylamine	109-73-9	Green	Green	Green	Green
Nickel chloride	7718-54-9	Green	Green	Green	Green
Nitrate of ammonium	6484-52-2	Green	Green	Green	Green
Nitrate of potassium	7757-79-1	Green	Green	Green	Green
Nitrobenzene	98-95-3		Red	Red	
Octyl alcohol	111-87-5	Red	Green	Green	Red
Oleic acid	112-80-1	Red	Green	Green	Red
Oxalic acid	144-62-7	Green	Green	Green	Green
Phenyl chloride	108-90-7		Red	Red	
Phosphates of calcium	10103-46-5	Green	Green	Green	Green
Phosphoric acid	7664-38-2	Green	Green	Green	Green
Potassium acetate	127-08-2	Green	Green	Green	Green
Potassium bicarbonate	298-14-6	Green	Green	Green	Green
Potassium carbonate	584-08-7	Green	Green	Green	Green
Potassium chloride	7447-40-7	Green	Green	Green	Green
Potassium cyanide	151-50-8	Green	Green	Green	Green
Potassium manganate	7722-64-7	Green	Green	Green	Green
Potassium sulphate	7778-80-5	Green	Green	Green	Green
Propylene dichloride	78-87-5			Red	
Sodium bicarbonate	144-55-8	Green	Green	Green	Green
Sodium bisulphite	7631-90-5	Green	Green	Green	Green
Sodium carbonate	497-19-8	Green	Green	Green	Green
Sodium chloride	7647-14-5	Green	Green	Green	Green
Sodium chlorite	7681-52-9	Green	Green	Green	Green
Sodium nitrate	7631-99-4	Green	Green	Green	Green
Sodium sulphate	7757-82-6	Green	Green	Green	Green
Stearic acid	57-11-4	Orange	Green	Orange	Orange
Styrene	100-42-5		Red	Red	Red
Tetrachloroethylene	127-18-4		Red	Orange	
THF = tetrahydrofurane	109-99-9	Orange	Red		
Toluene	108-88-3	Red	Red	Orange	Red
Tributyl phosphate	126-73-8	Red	Orange	Orange	Red
Trichlorethylene	79-01-6		Red	Red	
Tricresyl phosphate	1330-78-5	Green	Orange	Green	Orange
Triphenyl phosphate	115-86-6	Red	Green	Green	Red
Zinc sulphate	7733-02-0	Green	Green	Green	Green

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