



STC420E - Rev 4 - 22.02.06

CERTIFICATION CATEGORY III

CE 0334

TECHNIC 420 - 450

CE-Type Examination Certificates

TECHNIC 420 : 0072/014/162/05/94/10514

TECHNIC 450 : 0072/014/162/05/94/10514/Ex02 05 94

issued by the approved body nr. 0072

I.F.T.H. – Av. Guy de Collongue - F-69134 ECULLY CEDEX

Certificate of conformity of the Quality Assurance System

issued by the approved body nr. 0334

ASQUAL - 14, rue des Reculettes - F-75013 PARIS

These gloves conform to the provisions of Directive 89/686/EEC for protection against mechanical risks, chemicals and micro-organisms within the limit of the recommendations hereafter.

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

MAPA (U.K.) Ltd
Berkeley Business Park
Wainwright Road – Worcester
WR4 9ZS - U.K.
Tel : (44) 1905 450300 – Fax : (44) 1905 450350

MAPA®
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TECHNIC 420 - 450

DESCRIPTION AND GENERAL PROPERTIES

Liquidproof gloves made of **black neoprene (polychloroprene)** rubber.

Cotton flock-lining over an internal layer of **white natural latex**.

Curved fingers and **contoured palm**.

Non-slip finish in palm and fingers area.

Surface treatment with **silicone**.

Reference	Glove Length for all sizes (in cm)*	Thickness in wrist area (in mm)*	Sizes available	Standard packaging	
				per printed PE bag	per carton
Technic 420	31	0.75	6 - 6 ½	1	100
	41		7 - 7 ½		
Technic 450			8 - 8 ½	1	50
			10 - 10 ½		

* nominal values

"CE"-TYPE EXAMINATION RESULTS



PROTECTION AGAINST CHEMICALS

According to **EN 374** standard.
Liquidproof gloves.
Permeation data :
see the enclosed chemical resistance chart

AJKL



PROTECTION AGAINST MECHANICAL RISKS

Levels of performance according to **EN 388** standard

3 1 2 1
 | | | |
 | | | | ↪ puncture resistance (0 to 4)
 | | | | ↪ tear resistance (0 to 4)
 | | | | ↪ blade cut resistance (0 to 5)
 | | | | ↪ abrasion resistance (0 to 4)

Acceptable Quality Level (AQL) : **0.65 %**



PROTECTION AGAINST MICRO-ORGANISMS

According to **EN 374** standard.

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SPECIFIC ADVANTAGES

- Freedom of movement : flexibility of neoprene and comfort of cotton flocklining.
- Excellent grip thanks to raised pattern.
- Multi-purpose chemical resistance : acids, aliphatic solvents.
- Resistant to sunlight and ozone.
- Products manufactured in a MAPA factory which is ISO 9001 certified.

MAIN FIELDS OF USE

- Handling in chemical industry
- Manufacture of electrical accumulators
- Application of fertilizer
- Leather treatment
- Manufacture of applied abrasives
- Manufacture and installation of ovens
- Glue manufacturing

INSTRUCTIONS FOR USE

For enhanced safety and service life of the gloves :

- Store the gloves in their original packaging at a temperature not below 5°C.
 - It is recommended to check that the gloves are suitable for the intended use, because the conditions of use at workplace may differ from the "CE"-type tests.
 - It is not recommended for persons sensitized to natural latex, thiazoles and dithiocarbamates to use these gloves.
 - Put the gloves on dry, clean hands.
 - Do not use the gloves in contact with a chemical for a duration in excess of the measured breakthrough time. Refer to the chemical resistance chart hereafter or contact the Technical Customer Service - MAPA PROFESSIONNEL in order to know this breakthrough time. Use 2 pairs alternatively when in long duration contact with a solvent.
 - Turn the cuff end down in order to prevent a hazardous chemical from dripping onto the arm.
 - Before taking off the gloves, clean them as appropriate :
 - in use with paints, pigments and inks : wipe with a clean cloth dampened with a suitable solvent, and rub over with a dry cloth
 - in use with a solvent (diluent, etc...) : rub over with a dry cloth
 - in use with acids or alkalies : thoroughly rinse the gloves under running water, and rub over with a dry cloth
- Caution : improper use of the gloves or submitting them to a cleaning or laundering process which is not specifically recommended can alter their performance levels.
- Ensure the inside of the gloves is dry before putting them on again
 - Inspect the gloves for cracks or snags before reusing them.

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CHEMICAL RESISTANCE CHART

These gloves are designed for protection against numerous chemicals such as acids, bases, alcohols, petroleum solvents. In order to know whether these gloves are appropriate for a given chemical, refer to the table hereafter or enquire to Mapa Professionnel's Technical Customer Service.

CHEMICAL	CAS Nr	Chemical Resistance Index	Degradation Index (1 to 4)	Permeation (EN 374) Breakthrough time (minutes)	Permeation index (0 to 6)
Acetic acid 100%	64-19-7	=	4	182	4
Acetone B	67-64-1	=	3	16	1
Acetonitrile C	75-05-8	=	NT	11	1
2-Butoxyethanol	111-76-2	++	4	103	3
Butyl acetate	123-86-4	=	2	22	1
T-butyl methyl ether	1634-04-4	=	2	20	1
Cyclohexane	110-82-7	+	3	40	2
Dichloromethane D	75-09-2	-	2	3	0
Diethylamine G	109-89-7	-	2	7	0
N-N Dimethylacetamide* (DMAC)	127-19-5	+	3	32	2
Dimethyl formamide (DMF)	68-12-2	+	3	48	2
Dimethyl sulfoxide (DMSO)	67-68-5	++	4	> 360	5**
Ethanol	64-17-5	++	4	135	4
Ethyl acetate I	141-78-6	=	3	13	1
n-Heptane J	142-82-5	+	NT	33	2
Hexane*	110-54-3	++	4	30	1
Hydrochloric acid 35%	7647-01-0	++	4	> 480	6
Hydrofluoric acid 48%*	7664-39-3	=	NT	15	1
Hydrofluoric acid gas 99%* (hydrogen fluoride)	7664-39-3	=	NT	25	1
Isopropanol	67-63-0	++	4	288	5
Methanol A	67-56-1	++	4	70	3
Methyl ethyl ketone (MEK)	78-93-3	-	2	9	0

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CHEMICAL	CAS Nr	Chemical Resistance Index	Degradation Index (1 to 4)	Permeation (EN 374)	
				Breakthrough time (minutes)	Permeation index (0 to 6)
Methyl isobutyl ketone (MIBK)	108-10-1	=	3	24	1
Methyl methacrylate	80-62-6	=	3	9	0
N-Methyl-2 Pyrrolidone	872-50-4	+	3	55	2
Naphta	64742-47-8	++	4	123	4
Nitric acid 68%	7697-37-2	++	4	> 480	6
Nitrobenzene*	98-95-5	=	2	41	2
2-Nitropropane	79-46-9	=	3	30	1
Phosphoric acid 75%	7664-38-2	++	4	> 480	6
Sodium hydroxide 40% K	1310-73-2	++	NT	> 480	6
Styrene	100-42-5	=	2	13	1
Sulphuric acid 96% L	7664-93-9	=	4	225	4
Tetrachlorethylene (perchlorethylene)	127-18-4	-	2	8	0
Tetrahydrofurane (THF) H	109-99-9	-	1	8	0
Toluene F	108-88-3	-	1	6	0
1,1,1 Trichlorethane	71-55-6	=	2	20	1
Trichlorethylene	79-01-6	-	2	5	0
Vinyl acetate	108-05-4	=	3	7	0
Xylene	1330-20-7	-	1	12	1

** test discontinued after 6 hours NT: not tested yet

* : According to ASTM F739 test method

Chemical Resistance Index :

- ++ can be used for **long duration contact**
(limited to breakthrough time)
- + can be used for **short repeated contacts**
(for a total duration not exceeding the breakthrough time)
- = can be used against **splashes**
- **not recommended**

Degradation Index : a high index indicates a low degradation of the gloves in contact with the chemical.

Breakthrough Time : permeation test performed on the palm of the glove at 30° C in MAPA laboratories, unless otherwise specified.

Permeation Index : a high index indicates a long breakthrough time .

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