



STC415E - Rev 3- 21.06.05

**CATEGORY III CERTIFICATION**

**CE** 0334

# TECHNIMIX 415

**CE-Type Examination Certificate**

**0072/014/162/01/95/0063/Ex04 07 95**

**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

This glove conforms to the provisions of Directive 89/686/EEC for protection against mechanical risks, chemicals and micro-organisms.

57, rue de Villiers - B.P. 190  
92205 NEUILLY SUR SEINE Cedex - FRANCE  
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**MAPA®**  
**PROFESSIONNEL**



# **TECHNIMIX 415**

## **SPECIFIC ADVANTAGES**

- Material flexibility and cotton flocklining provide comfort and freedom of movement.
- Enhanced resistance thanks to the natural latex-neoprene blend.
- Safe grip of slippery object thanks to non-slip finish.
- Products manufactured in a MAPA factory which is ISO 9001 certified.

## **MAIN FIELDS OF USE**

- Routine cleaning
- Surface treatment in industry
- Rubbing down
- Leather industry
- Industrial maintenance
- Production of building materials (plasters, cement...)

## **INSTRUCTIONS FOR USE**

For enhanced safety and service life of the gloves :

- Store the gloves in their original packaging protected from direct sunlight, far from heat sources or electric equipment.
- 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, dithiocarbamates and thiazoles 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 a solvent (alcohols, etc...) : rub over with a dry cloth
  - in use with acids or alkalines : 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 that 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.

# TECHNIMIX 415

## CHEMICAL RESISTANCE CHART

This glove is designed for protection against numerous chemicals such as mild acids, bases, detergents, alcohols. It is not recommended for contact with petroleum, aromatic or chlorinated solvents. In order to know whether this glove is appropriate for a given chemical, refer to the table hereafter or enquire to Mapa Professionnel's Technical Customer Service.

The table below is based on a glove of similar nature and thickness.

CHEMICAL	CAS Nr	Chemical Resistance Index	Degradation Index (1 to 4)	Permeation (EN 374) Breakthrough time (minutes)	Permeation Index (0 to 6)
Butyl acetate*	123-86-4	-	2	10	0
t-Butyl Methyl Ether*	1634-04-4	-	2	6	0
Cyclohexane*	110-82-7	-	1	10	0
Cyclohexanone	108-94-1	=	3	11	1
n-n Dimethylacetamide	127-19-5	+	4	23	1
Dimethylformamide	68-12-2	+	4	31	2
Ethanol	64-17-5	+	4	22	1
Ethyl acetate*	141-78-6	-	2	4	0
Hydrochloric acid 35%	7647-01-0	++	NT	> 480	6
Isopropanol*	67-63-0	+	4	38	2
Methanol	67-56-1	+	4	17	1
Methylethylcetone*	78-93-3	=	3	4	0
N-Methyl-Pyrrolidone	872-50-4	+	4	40	2
2-Nitropropane °	79-46-9	=	3	NT	-
Sodium hydroxide 50%	1310-73-2	++	NT	> 480	6
Toluene*	108-88-3	-	1	6	0
1,1,1 Trichlorethane ° *	71-55-6	-	1	NT	-
Xylene*	1330-20-7	-	1	4	0

NT : not tested yet

° Chemical Resistance Index determined from the degradation result only

\* Tested on glove of similar nature and thickness

### 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 in MAPA laboratories, unless otherwise specified.

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

## "CE" DECLARATION OF CONFORMITY

The Company

**MAPA s.n.c.**  
57, rue de Villiers  
BP 190  
92205 Neuilly-sur-Seine Cedex - France

declares that the following MAPA PROFESSIONNEL protective glove :

**TECHNIMIX 415**

conforms to the glove which is the subject of "CE" certificates of conformity nr :

**TECHNIMIX 415 : 0072/014/162/01/95/0063-Ex 04/07/95**

issued by the notified body nr **0072**

**I.F.T.H**

Av. Guy de Collongue - F-69134 ECULLY CEDEX

It is manufactured under a certified **Quality Assurance System** issued by the notified body nr **0334**

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

**CERTIFICATION CATEGORY III**

It conforms to the provisions of directive **89/686/CEE**, designed for protection against **chemicals, micro-organisms and mechanical risks**, as specified in Article 8-4.(a) within the limits of use described in the technical documentation.

It is manufactured in conformance with the following **European Standards** :  
**EN 420, EN 374 and EN 388.**

Prepared at Neuilly-sur-Seine, on November 18, 2005

**MAPA**  
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M.RODOT  
Technical Customer Service

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