

# PROTECTION AND DEXTERITY



STC182E - Rev 0 - 12.08.99

CERTIFICATION II CATEGORY



# NODROP 182

**CE-Type Examination Certificate**

**0072/014/162/09/98/0148**

**issued by the approved body nr. 0072**

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

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

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## DESCRIPTION AND GENERAL PROPERTIES

Liquidproof glove made of **orange natural latex**.

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

**Curved fingers** and **contoured palm**.

**Non-slip finish** in palm and fingers area.

**Chlorinated finish**.

Length (for all sizes) : **32 cm** (nominal value)

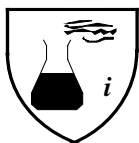
Thickness (in wrist area) : **0.45 mm** (nominal value)

Sizes available	Corresponding European Sizes
6 ½ - 7	7.5
7 ½ - 8	8
8 ½ - 9	8.5
9 ½ - 10	9

Standard packaging :

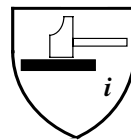
- **each pair** in printed polyethylene bag
- **100 pairs** per carton

## « CE » - TYPE EXAMINATION RESULTS



### PROTECTION AGAINST CHEMICALS

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



### PROTECTION AGAINST MECHANICAL RISKS

Levels of performance according to EN 388 standard.



### PROTECTION AGAINST MICRO-ORGANISMS

According to EN 374.

**1 0 2 0**  
| | | |  
| | | | → puncture resistance (0 à 4)  
| | | | → tear resistance (0 à 4)  
| | | | → blade cut resistance (0 à 5)  
→ abrasion resistance (0 à 4)

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## SPECIFIC ADVANTAGES

- Excellent dexterity thanks to the flexibility of natural latex.
- Comfort of the cotton flock-lining.
- Higher protection of handled products thanks to the chlorinated finish.
- Good resistance to detergents and numerous diluted acids.
- Products manufactured in a MAPA factory which is ISO 9002 certified.

## MAIN FIELDS OF USE

- Sanitorial maintenance.
- General maintenance in chemical industries.
- Factory maintenance.
- General housekeeping.
- Catering.

## 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, thiurames, 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 alkalies: thoroughly rinse the gloves under running water, and rub over with a dry cloth.

Caution : using the gloves or submitting them to another cleaning or laundering process 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

This glove is designed for protection against numerous chemicals such as mild acids, bases, detergents, alcohols, cetonic solvents. 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 results quoted in this table are relative to tests performed on a glove of identical nature and thickness.

CHEMICAL	Chemical Resistance index	Degradation Index (de 1 à 4)	Permeation (EN 374) Breakthrough time (minutes)	Permeation Index (de 0 à 6)
Acetic acid 100%	=	3	9	0
Hydrochlorid acid 35%	++	4	>480	6
Nitric acid 20%	++	4	>480	6
Phosphoric acid 20%	++	4	>480	6
Cyclohexanone	-	2	9	0
N-N Dimethyl acetamide	+	3	14	1
Dimethylformamide	+	3	12	1
Ethanol	+	3	14	1
Ethyl methyl ketone	-	2	2	0
Formaldehyde 30% *	++	4	ND	ND
Hydrogen peroxide 9%	++	4	>480	6
Isopropanol	+	3	16	1
Methanol	=	3	8	0
N-Methyl-2-Pyrrolidone	+	3	18	1
Sodium hydroxide 20%	++	4	>480	6
1,1,1 Trichlorethane	-	2	3	0

ND : non déterminé à ce jour

NT : not tested yet

\* : Chemical resistance index determined from degradation result only

### 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 .