



STC485E - Rev 0 - 28.04.06

CERTIFICATION CATEGORY III

CE 0334

ULTRANITRIL 485

CE-Type Examination Certificate

0072/014/162/04/06/0029

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 within the limit of the recommendations hereafter.

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MAPA[®]
PROFESSIONNEL

ULTRANITRIL 485

DESCRIPTION AND GENERAL PROPERTIES

Liquidproof glove made of **green nitrile** rubber.

Internal cotton flock-lining.

Curved fingers and contoured palm.

Non-slip finish in palm and fingers area.

Guaranteed **silicone-free**.

Conform to the FDA (American Food and Drug Administration) and the various regulations from the European countries for **food contact**.

Glove length (for all sizes) : **32 cm** (nominal value)

Thickness (in wrist area) : **0.38 mm** (nominal value)

Sizes available : **6, 7, 8, 9, 10, 11**

Standard packaging :

- **Each pair** or **12 pairs** in polyethylene bag
- **72 pairs** per carton

"CE"-TYPE EXAMINATION RESULTS



PROTECTION AGAINST CHEMICALS

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

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PROTECTION AGAINST MECHANICAL RISKS

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

4 1 0 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.

ULTRANITRIL 485

SPECIFIC ADVANTAGES

- Excellent dexterity thanks to the glove's flexibility.
- High chemical resistance to hydrocarbon derivatives and alcohols.
- Safe grip of slippery objects thanks to non-slip finish.
- For food handling.
- Recommended for persons sensitized to natural rubber proteins.
- Product manufactured in a MAPA factory which is ISO 9001 certified.

MAIN FIELDS OF USE

- Manufacturing industries using cutting oils
- Automotive industries
- Manufacture and application of paint and varnish
- Timber treatment and finishing
- Application of pesticides
- Light engineering
- Routine maintenance
- Food preparation in the food processing and catering industries

INSTRUCTIONS FOR USE

For enhanced safety and service life of the gloves :

- Store the gloves in their original packaging protected from light, humidity and heat.
- 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.
- Persons sensitized to dithiocarbamates and thiazoles should not 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 (alcohols, diluents, etc.) : rub over with a dry cloth
 - in use with acids or alkalies : thoroughly rinse the gloves in use with under running water, and rub over with a dry cloth

Caution : improper use of the gloves or submitting them to any 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.

ULTRANITRIL 485

CHEMICAL RESISTANCE CHART

This glove is designed for protection against numerous chemicals such as alcohols, petroleum, solvents. It is not recommended for contact with ketones and nitrogen compounds. 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.

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	=	NT	92	3
Sulfuric acid 96% °	L 7664-93-9	=	NT	31	2
Butyl acetate*	123-86-4	+	4	55	2
Diethylamine*	109-89-7	=	3	16	1
Dimethylformamide (DMF)*	68-12-2	-	1	15	1
n-Heptane	J 142-82-5	++	NT	>480	6
Isophorone diisocyanate*	4098-71-9	++	NT	>480	6
Methanol	A 67-56-1	+	4	15	1
t-Methyl Butyl Ether*	1634-04-4	++	4	238	4
Naphta*	8032-32-4	++	NT	>480	6
Sodium hydroxyde 40%	K 1310-73-2	++	NT	>480	6
Sodium hydroxyde 50%	1310-73-2	++	NT	>480	6
Tetrachlorethylene* (perchlorethylene)	127-18-4	++	4	259	5
Toluene*	108-88-3	=	2	18	1
1,1,1-Trichlorethane*	71-55-6	-	1	75	3
Trichlorethylene*	79-01-6	-	NT	11	1

NT: not tested yet

*: Permeation tested according to ASTM F739 at ambient temperature on a glove of identical nature and thickness.

° : Permeation test performed at 23°C

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.