

# Alto 405

## DESCRIPTION AND GENERAL PROPERTIES

- **Material** Neoprene and natural latex
- **Length (cm)** 33
- **Thickness (mm)** 0.70
- **Wrist** Straight cuff
- **Colour/Color** Blue / Yellow
- **Interior finish** Flocked
- **Exterior finish** Embossed texture
- **Size / EAN** 6 7 8 9 10
- **Packaging** 1 pair/bag - 10 pairs/bag - 100 pairs/carton



## PERFORMANCE RESULTS

Certification category 3

CE 0334



Dexterity EN 420 : 5/5



### Legends

#### EN 388 MECHANICAL HAZARDS



##### PERFORMANCE LEVELS

0-4 0-5 0-4 0-4 A-F (P)

- Impact protection
- Cut resistance according to ISO 13997
- Puncture resistance
- Tear resistance
- Blade cut resistance
- Abrasion resistance

#### EN 407 THERMAL RISKS heat and fire



##### PERFORMANCE LEVELS

0-4 0-4 0-4 0-4 0-4 0-4

- Resistance to large quantities of molten metal
- Resistance to small drops of molten metal
- Radiant heat resistant
- Convective heat resistance
- Contact heat resistance
- Burning behaviour

#### CHEMICAL RISKS

##### EN ISO 374-1



Type A

U V W X Y Z

**A** Methanol  
**B** Acetone  
**C** Acetonitrile  
**D** Dichloromethane  
**E** Carbon Disulfide  
**F** Toluene  
**G** Diethylamine  
**H** Tetrahydrofuran  
**I** Ethyl acetate

##### EN ISO 374-1



Type B

X Y Z

**J** n-Heptane  
**K** Sodium hydroxide 40%  
**L** Sulphuric acid 96%  
**M** Nitric acid 65%  
**N** Acetic acid 99%  
**O** Ammonia 25%  
**P** Hydrogen peroxide 30%  
**S** Hydrofluoric acid 40%  
**T** Formaldehyde 37%

##### EN ISO 374-1



Type C

#### MICRO-ORGANISMS

##### EN ISO 374-5



Protection against bacteria, fungi

##### EN ISO 374-5



Protection against bacteria, fungi, virus

##### VIRUS



EN 511

#### COLD HAZARDS

##### PERFORMANCE LEVELS

0-4 0-4 0 or 1

- Water permeability
- Contact cold resistance
- Convective cold resistance



EN 421

RADIOACTIVE  
CONTAMINATION



CUT

#### CUT RESISTANCE

**A1** ≥ 200 G **A4** ≥ 1500 G **A7** ≥ 4000 G  
**A2** ≥ 500 G **A5** ≥ 2200 G **A8** ≥ 5000 G  
**A3** ≥ 1000 G **A6** ≥ 3000 G **A9** ≥ 6000 G

For more details: [www.mapa-pro.com](http://www.mapa-pro.com)

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PROFESSIONAL

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## SPECIFIC ADVANTAGES

- Tactile sensitivity, due to the gloves reduced thickness
- Comfort and perspiration absorption, due to the cotton flock-lining
- Good grip, due to the non-slip embossing
- Previous name: Duo-Mix 405

## MAIN FIELDS OF USE

### Automotive/mechanical industry

- Spray-painting

### Other industries

- Industrial cleaning, maintenance

### Aeronautics industry

- Work with composite materials (resins)

## INSTRUCTIONS FOR USE

### Instructions for use

- 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 website [www.mapa-pro.com](http://www.mapa-pro.com) or contact the Technical Customer Service - MAPA PROFESSIONNEL ([stc.mapaspontex@mapaspontex.fr](mailto:stc.mapaspontex@mapaspontex.fr)) 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.
- Inspect the gloves for cracks or snags before reusing them.

### Storage conditions

- Store the gloves in their original packaging protected from direct sunlight, far from heat sources or electric equipment.

### Laundering conditions

- 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.

### Drying conditions

- Ensure the inside of the gloves is dry before putting them on again.

### Food contact US

- FDA 21CFR 177.2600

## LEGISLATION

This product is not classified hazardous according to the regulation (EC) n°1272/2008 of the European Parliament and of the Council. This product does not contain more than 0.1 % of substance of very high concern (SVHC) or any substance included in the annex XVII of the regulation n° 1907/2006 of the European Parliament and of the Council (REACH).

- **UE type certificate or CE type examination certificate** : 0075/014/162/05/18/0950
- **Issued by the notified body nr** : 0075 - C.T.C. – 4 rue Hermann Frenkel - F- 69367 LYON Cedex 07
- **Quality assurance certificat** : 0334 Asqual 14 rue des Reculettes -F-75013 PARIS