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EN ISO 374



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# EN ISO 374 Update: Glove Markings Guide

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The new EN ISO 374 standard ensures consistency in testing and helps users and safety professionals as they determine their chemical protection needs. The revised requirements are reflected in pictograms that appear on gloves and on glove dispenser boxes certified for chemical and micro-organism exposure. The glove markings associated with the new standard are summarized in this guide.

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VERSION 2.0

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# NEW EN ISO 374:2016 | Performance Ratings

## Performance Ratings

- The EN ISO 374 requirements introduce a new three-tiered chemical performance rating supported with new pictograms.
- Chemical gloves are now segmented into three categories – Type A, B, and C – where segmentation is dependent on the number of chemicals tested from a chemical list of 18 that met a defined breakthrough measure.
- Pictograms and markings describe the type of chemical resistance and level of performance.
- The standard also introduces a notation to the micro-organism pictogram for gloves that have also passed a new viral penetration test.
- Chemical and micro-organism risk protection is now described in the two following parts of the standard: EN ISO 374-1 and EN ISO 374-5.


## Chemical Pictograms

EN ISO 374-1/Type C



At least Level 1 performance (more than 10 minutes) against at least one chemical on the list


EN ISO 374-1/Type B



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At least Level 2 performance (more than 30 minutes) against at least three chemicals on the list

EN ISO 374-1/Type A



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At least Level 2 performance (more than 30 minutes) against at least six chemicals on the list



Note:  
The beaker icon (low chemical resistance/waterproof) has been eliminated.

## Micro-organism Pictograms

The pictogram on the left previously related to bacteria and fungi. The revised standard calls for a new viral penetration test. If the glove is tested and passes this extra test, the word "Virus" will be added under the Micro-organism pictogram.

EN ISO 374-5



EN ISO 374-5



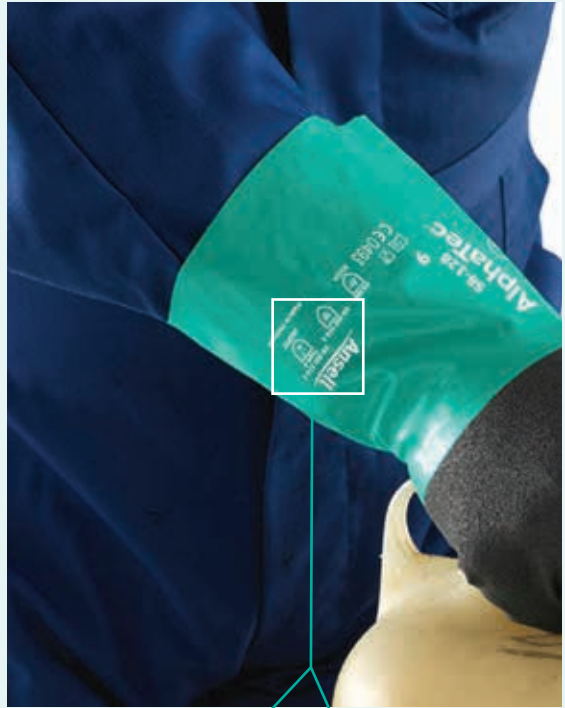
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# NEW EN ISO 374:2016 | Glove Markings

## Chemical Type Indicators

Code Letter	Chemical
A	Methanol
B	Acetone
C	Acetonitrile
D	Dichloromethane
E	Carbon Disulphide
F	Toluene
G	Diethylamine
H	Tetrahydrofurane
I	Ethyl Acetate
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%

**NEW**



## How to read the markings

Pictograms shown here will indicate the level of chemical performance of the glove (Type A, B or C) and/or its micro-organism performance.

### Chemical Pictograms

EN ISO 374-1/Type C



At least Level 1 performance (more than 10 minutes) against at least one chemical on the list

EN ISO 374-1/Type B



XYZ

At least Level 2 performance (more than 30 minutes) against at least three chemicals on the list

EN ISO 374-1/Type A



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At least Level 2 performance (more than 30 minutes) against at least six chemicals on the list

### Micro-organism Pictograms

EN ISO 374-5



EN ISO 374-5



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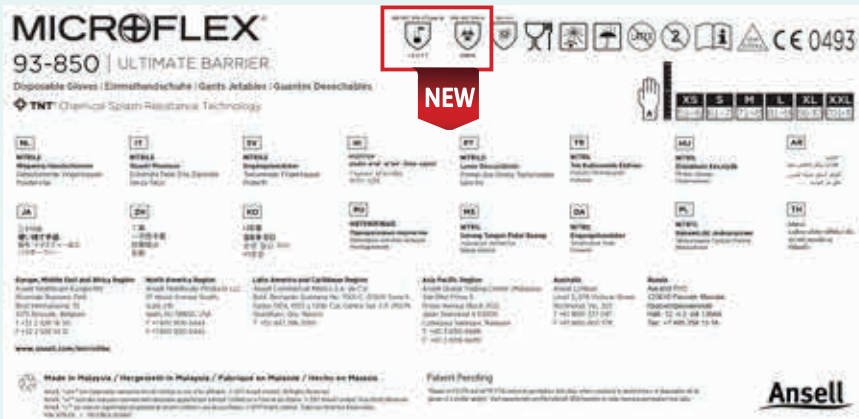
# NEW EN ISO 374:2016 | Glove Marking Examples

## Where to find the markings

Pictograms will either be featured on the glove gauntlet or for single use products on the bottom of their dispenser box.



Glove Gauntlet



Glove Dispenser Box (bottom)

## Find out more

Please visit us online for more information:  
[www.ansell.com/enresourcecenter](http://www.ansell.com/enresourcecenter)