

Chemical Resistance Guide

EN374



Protective Gloves : Against Chemicals And Micro-Organisms EN ISO 374-1:2016+A1:2018 (AS/NZS 2161.10.1)

Terminology and performance requirements for chemical risks. Chemical protective gloves are classified into three types: A, B and C, which are related to performance levels and the number of chemicals they are protective against. Glove with a length longer than 400mm will have to be additionally testing in the cuff area.

Code	Chemical	Class
A	Methanol	Primary alcohol
B	Acetone	Ketone
C	Acetonitrile	Nitrile compound
D	Dichloromethane	Chlorinated hydrocarbon
E	Carbon disulphide	Sulphur containing organic compound
F	Toluene	Aromatic hydrocarbon
G	Diethylamine	Amine
H	Tetrahydrofurane	Hetero-cyclic and ether compound
I	Ethyl acetate	Ester
J	n-Heptane	Saturated hydrocarbon
K	40% Sodium hydroxide	Inorganic base
L	96% Sulphuric acid	Inorganic mineral acid, oxidising
M	65% Nitric Acid	Inorganic mineral acid, oxidising
N	99% Acetic Acid	Organic acid
O	25% Ammonium hydroxide	Organic base
P	30% Hydrogen peroxide	Peroxide
S	40% Hydrofluoric acid	Inorganic mineral acid
T	37% Formaldehyde	Aldehyde

ISO 374-1/Type A



UVWXYZ

ISO 374-1/Type B



XYZ

ISO 374-1/Type C



EN ISO 374-2:2019 Determination of resistance to penetration

ISO 374-5:2016



Marking of gloves protecting against bacteria and fungi

ISO 374-5:2016

EN ISO 374-4:2019 Determination of resistance to degradation by chemicals (DR)
Tests puncture resistance before and after exposure to a challenge chemical. The average of the performance will be recorded in the usersheet as a percentage (%).

EN ISO 374-5:2016 Terminology and performance requirements for micro-organisms risks
Microorganisms are classed as bacteria, viruses or fungi. Gloves protecting against viruses must also pass ISO16604:2004.



VIRUS

Additional marking for Virus

EN 16523-1:2015+A1:2018 Determination of material resistance to permeation by chemicals. Permeation by liquid chemical under conditions of continuous contact. Testing to determine the level of resistance against chemicals permeating through the glove material.