

GLOVE CHEMICAL RESISTANCE GUIDE

Being compliant with the standards does not guarantee absolute protection because what is tested relates to the materials used, methods of manufacture, length and thickness of the glove, etc. In the table below you'll see the performance for three of our synthetic gloves based on EN16523-1:2015. On paper they all comply with the same standards, but as you will notice they do not offer the same level of performance.

Green
General
Risk

Orange
Biological
Risk

Red
Chemical
Risk

THE THICKER AND LONGER THE GLOVE, THE BETTER YOU WILL BE PROTECTED !

Chemical name	CAS n°	Concentration	SHIELDskin CHEM™ NEO NITRILE™ 300	SHIELDskin™ ORANGE NITRILE™ 260	ecoSHIELD™ Eco Nitrile PF 250
Thickness (Palm)			0,25 mm	0,14 mm	0,10 mm
Sodium acetate Sat. solution	127-09-3	100%	480 min	480 min	480 min
Acetic Acid	64-19-7	100%	90 min	8 min	4 min
Hydrochloric Acid	7647-01-0	37%	480 min	130 min	65 min
Formic Acid	64-18-6	98-100%	125 min	4 min	3 min
Acrylamide	79-06-1	40%	480 min	480 min	480 min
Secondary isoarmyl alcohol 98%	598-75-4	100%	480 min	55 min	30 min
Ethidium Bromide	1239-45	5%	480 min	480 min	480 min
Chloroform	67-66-3	99,80%	4 min	0 min	0 min
Dimethyl Formamide (DMF)	68-12-2	99%	9 min	4 min	1 min
Dimethyl Sulfoxide (DMSO)	67-68-5	99%	179 min	48 min	10 min
Ethanol	64-17-5	100%	154 min	11 min	9 min
Formaldehyde	50-0-07	37%	480 min	480 min	480 min
Formamide	75-12-7	100%	123 min	97 min	9 min
Isobutanol	78-83-1	100%	480 min	76 min	39 min
Isopropanol	67-63-0	100%	480 min	46 min	33 min
Methanol	67-56-1	99,90%	54 min	5 min	0 min
Phenol	108-95-2	50%	163 min	23 min	15 min
Sodium Hydroxide	1310-73-2	50%	480 min	480 min	480 min
Thris (hydroxymethyl) aminomethane Sat. solution	77-86-1	100%	480 min	480 min	480 min

DISCLAIMER: The data provided was based on gloves tested under laboratory conditions, in accordance with EN16523-1: 2015. The information is for guidance only and may not reflect the user's application. A risk assessment should always be made by purchaser to assess the suitability of gloves for a specific application.



twinSHIELD™ technology

- Double-layered = reduced risk of pinholes
- Stronger = better protection
- 2 colours: Red, Orange or Green exterior to make it easier to select according to the risk and a soft and comfortable WHITE interior.



EN16523-1: 2015 (supersedes EN374-3)

- Breakthrough occurs when a permeation rate of 1µg/cm²/min is noted
- The test temperature is 23°C (=/-1°C)
- Test results must be within 20% of the mean average of the three glove samples tested. The lowest score is reported

PPE CAT. III

