



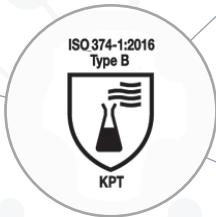
SHIELD Scientific
compliance comfort protection

4 LEVELS OF PROTECTION





PROTECTION LEVEL 1



● CHEMICAL PROTECTION: ISO 374-1:2016

- On-line chemical resistance guide, with over 100 chemicals tested for permeation (EN 16523-1:2015+A1:2018).
- The thicker the glove, the better it will resist chemical permeation.
- A longer glove offers better anchorage on the forearm and enhanced protection of the wrist.



CAS N°

SHIELDskin
CHEM™ NEO
NITRILE™ 300SHIELDskin™
ORANGE
NITRILE™ 260ecoSHIELD™
Eco Nitrile
PF 250

Thickness (palm)	0.31 mm	0.14 mm	0.10 mm
Ethanol 99.8%	64-17-5	154 min	20 min
Methanol 99%	67-56-1	36 min	5 min
Acetone 100%	67-64-1	7 min	1 min
Chloroform 99.8%	67-66-3	4 min	Immediate
Dichloromethan 99%	75-09-2	2 min	Immediate

Tested according to the test method EN 16523-1:2015+A1:2018 (Temperature: 23°C – detection limit: 1µg/cm²/minute).



PROTECTION LEVEL 2



BIOHAZARD PROTECTION: ISO 374-5:2016

- Virus resistant (ISO 16604:2004 procedure B).
Virus penetration resistance test (Bacteriophage Phi-X 174) for given times and pressures.
- The AQL level is demonstrated by the watertight tests (EN 374-2:2014).
- The lower the AQL, the better the barrier performance.
- A lower AQL means lower risk of pinholes in your gloves.

SAMPLES	AQL 4.0	AQL 1.5	AQL 0.65	AQL 0.25
Number of gloves tested	315	315	315	315
PASS (Gloves - %)	21 – 6.67 %	10 – 3.17 %	5 – 1.59 %	2 – 0.63 %
FAIL (Gloves - %)	22 – 6.98 %	11 – 3.49 %	6 – 1.90 %	3 – 0.95 %

Sampling method according to ISO 2859, for a batch of 150 to 500 000 gloves, inspection level G1.

PROTECTION LEVEL 3



DOUBLE PROTECTION: twinSHIELD™

- Double dipping process: to reduce the risk of pinholes and to improve the barrier effectiveness (AQL 0.25).
- Double layer: A white, soft and comfortable inner layer and a coloured outer layer according to the risk level.
- **If there is a defect on one of the two layers, the second layer will keep your hand safe!**



PROTECTION LEVEL 4



EASY PROTECTION: 4 COLOURS

- **ONE COLOUR = ONE RISK:** To ease the glove selection and to facilitate your risk management (traffic light principle).
- **ONE COLOUR = ONE LOCATION:** better glove choice for use in a particular location (eTBr zone, biosafety cabinet, radioactive lab work, lab animal cabinets, ...).
- **4 COLOURS = A GOOD BALANCE** between a good laboratory health and safety strategy and a well-controlled PPE budget.



RED,
Chemical risk



ORANGE,
Biological risk



GREEN,
General risk



BLUE,
Dual risk

NEW REGULATION / NEW STANDARDS

REGULATION (EU) 2016/425



- Supersedes PPE Directive 89/686/EEC.
- Greater clarifications on essentials health and safety requirements.
- Greater precision as to the risk categories.
- Maximum 5 years validity for EU certificates.
- Responsibilities for importers and distributors clearly defined.

CHEMICAL RISK (ISO 374-1:2016)



- 1 pictogram + 18 chemicals + 3 types of performance.
- Degradation test method: EN 374-4:2013
- Permeation test method: EN 16523-1:2015+A1:2018
- 3 samples tested – Lowest result reported.
 - Type A > 6/18 test chemicals with at least 30 minutes (Level 2).
 - Type B > 3/18 test chemicals with at least 30 minutes (Level 2).
 - Type C > 1/18 test chemicals with at least 10 minutes (Level 1).

BIOLOGIC RISK (ISO 374-5:2016)



- Microorganism resistant (EN 374-2:2014)
 - Watertight test
 - Performance level = AQL
 - The lower the AQL (e.g. AQL 0.25), the better is the barrier effectiveness.
- Virus resistant (ISO 16604:2004 procedure B)
 - Viral penetration test (Bacteriophage).
 - If pass, the word VIRUS can be inserted underneath the pictogram.

ONE GLOVE, ONE COLOUR, ONE RISK



SHIELDskin CHEM™ NEO NITRILE™ 300

Synthetic Neoprene/Nitrile glove – Ambidextrous – Powder-free – Red
40 gloves/dispenser – 10 dispensers/case.

Size	6/XS	7/S	8/M	9/L	10/XL	11/XXL
Code	66 9251	66 9252	66 9253	66 9254	66 9255	66 9256



SHIELDskin™ ORANGE NITRILE™ 260

Synthetic Nitrile/Neoprene glove – Ambidextrous – Powder-free – Orange
90 gloves/dispenser – 10 dispensers/case.

Size	6/XS	7/S	8/M	9/L	10/XL
Code	67 6231	67 6232	67 6233	67 6234	67 6235



ecoSHIELD™ Eco Nitrile PF 250

Synthetic Nitrile glove – Ambidextrous – Powder-free – Green
150 gloves/dispenser – 10 dispensers/case.

Size	6/XS	7/S	8/M	9/L	10/XL
Code	62 5121	62 5122	62 5123	62 5124	62 5125



duoSHIELD™ PFT Nitrile 240

Synthetic Nitrile glove – Ambidextrous – Powder-free – White
200 gloves/dispenser – 10 dispensers/case

Size	6/XS	7/S	8/M	9/L	10/XL
Code	65 8121	65 8122	65 8123	65 8124	65 8125



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