

CHEM

H-8190

NXG
Next Generation Gloves



COMBINING LIQUID-PROOF CAPABILITY WITH FLEXIBILITY AND GRIP IS NO EASY FEAT - BUT THE NXG CHEM GLOVE RANGE HAS DONE IT.

Chemical resistant gloves need to deliver a lot to the end user. They must be waterproof, flexible, and often need to incorporate cut resistant technology as well. After substantial laboratory and field testing, **NXG** has created chemical resistant gloves that meet all these important features while remaining comfortable and fit for purpose. Workers can feel confident in the protection that these gloves provide in challenging situations.

FEATURES

- + Lightweight 18 gauge liner
- + Ergonomically shaped for best fit and comfort
- + Excellent grip in wet conditions
- + Soft and flexible coating reducing hand fatigue
- + 36cm length
- + Oeko-Tex® 100, Sanitized® and dermatologically accredited
- + Sizes 8 to 11



Why BSI Certification: By certifying with BSI, Safety Mate demonstrates to users of our products, that they not only use industry-respected best practices but also choose to work with the organization that developed many of these standards. As a highly trusted global regulator, BSI tests products against industry recognised standards. In a world where safety is of paramount importance, BSI and its logo offer additional value and guarantees that products have been expertly tested to market-leading standards of quality, safety and durability.

ALSO AVAILABLE IN CUT LEVEL C

H-8191

PERFORMANCE STANDARDS

EN 388: 2016	EN374-5:2016	EN 374-1:2016/Type A	CERTIFIED PRODUCT	EN 388: 2016	EN374-5:2016	EN 374-1:2016/Type A
4121X	AJKLNOPT	AJKLNOPT	AUSTRALIA & NZ STANDARDS AS/NZS 2161.3:2020 LIC: BMP 757372	4X42C	AJKLNOPT	AJKLNOPT

PRODUCT DISCLAIMER: Gloves that provide cut resistance are not cut-proof. The risk for these sorts of injuries will not be completely eliminated or prevented by the use of gloves. Cut resistant gloves are not intended to provide protection against powered rotated blades or equipment, serrated or other sharp or rotating equipment. It is the responsibility of companies and/ or glove users to perform their own testing to determine the suitability for a particular application or use within the environment the gloves are to be used. Safety Mate Pty Ltd may revise this information as new information, knowledge or experience becomes available. EN407 tests are performed on the palm part of gloves only.

TECHNOLOGIES

ERGONOMICALLY SHAPED	SMART GRIP	HAND HEALTH	OEKO TEX® M27MHBBY9 MADE IN GREEN Hohenstein HTTI
DERMATOLOGICALLY ACCREDITED	Sanitized® More than clean		

NEW MODIFIED STANDARD FOR CHEMICAL PROTECTIVE GLOVES

EN ISO 374-1:2016

Protective gloves against dangerous chemicals and micro-organisms.

Chemicals can cause serious harm to people and to the environment. Two chemicals, each with known properties, can cause unexpected effects when they are mixed. This standard gives directives of how to test degradation and permeation for 18 chemicals but doesn't reflect the actual duration of protection in the workplace and the differences between mixtures and pure chemicals. Companies should always complete their own risk assessments to determine suitability of PPE for any applications.

This standard specifies the demands of the requirements for a glove to protect against dangerous chemicals and micro-organisms.

PENETRATION

Chemicals can penetrate through holes and other defects in the glove material. To secure a glove to be approved as a chemical protection glove the glove shall not leak water or air when tested according to penetration, EN 374-2:2014.

DEGRADATION

The glove material might be negatively affected by chemical contact. Degradation shall be determined according to EN 374-4:2013 for each chemical. The degradation result, in percentage (%), shall be reported in the user instruction.



PERMEATION

The chemicals break through the glove material at a molecular level. The breakthrough time is evaluated, and the glove must withstand a breakthrough time of at least:

Type A – 30 minutes (level 2) against minimum 6 test chemicals

Type B – 30 minutes (level 2) against minimum 3 test chemicals

Type C – 10 minutes (level 1) against minimum 1 test chemical

CODE LETTERS	CHEMICAL	CAS NO.	CLASS	H-8191 Level	BTT
A	Methanol	67-56-1	Primary alcohol	3	73-88 min
B	Acetone	67-64-1	Ketone	Not tested	Not tested
C	Acetonitrile	75-05-8	Nitrile compound	Not tested	Not tested
D	Dichloromethane	75-09-2	Chlorinated hydrocarbon	Not tested	Not tested
E	Carbon disulphide	75-15-0	Sulphur containing organic compound	Not tested	Not tested
F	Toluene	108-88-3	Aromatic hydrocarbon	Not tested	Not tested
G	Diethylamine	109-89-7	Amine	Not tested	Not tested
H	Tetrahydrofuran	109-99-9	Heterocyclic and ether compound	Not tested	Not tested
I	Ethyl acetate	141-78-6	Ester	Not tested	Not tested
J	n-Heptane	142-82-5	Saturated hydrocarbon	6	>480 min
K	Sodium hydroxide 40%	1310-73-2	Inorganic base	6	>480 min
L	Sulphuric acid 96%	7664-93-9	Inorganic mineral acid, oxidizing	3	77-78 min
M	Nitric acid 65%	7697-37-2	Inorganic mineral acid, oxidizing	Not tested	Not tested
N	Acetic acid 99%	64-19-7	Organic acid	4	120-130 min
O	Ammonium hydroxide 25%	1336-21-6	Organic base	4	190-200
P	Hydrogen peroxide 30%	7722-84-1	Peroxide	6	>480 min
S	Hydrofluoric acid 40%	7664-39-3	Inorganic mineral acid	Not tested	Not tested
T	Formaldehyde 37%	50-00-0	Aldehyde	6	>480 min