

ANSELL PROTECTION SOLUTIONS FOR INDUSTRY PROCESSES

Ansell is dedicated to worker safety: we provide a comprehensive range of hand, arm and body protection solutions to cover needs across many industries. Before selecting a product, ensure a risk assessment of the hazards has been conducted to determine that the product will provide an appropriate level of protection. Ansell Guardian® Chemical can be consulted to provide an assessment of the level of chemical protection offered by our products and may assist in the risk assessment. The determination of suitability of Ansell hand, arm and body protection solutions is the final responsibility of the user.

	chanical protection d applies to all kinds of protective gloves d tearing.	in respect of phys	ical and mechar	nical aggressic	ons caused by	abrasion, bla	de cut,
Performance le	rformance level rating		2	3		4	5
	a Abrasion Resistance (Cycles)	100	500	2000		8000	-
EN 388:2003	b Blade Cut Resistance (Coupe Test/Index)	1.2	2.5	5.0		10.0	20.0
	C Tear Resistance (Newtons)	10	25	50		75	-
	d Puncture Resistance (Newtons)	20	60	100		150	-
Expanded performance level rating according to EN 388:2016 (a-f)		(a–f) A	В	С	D	E	F
EN 388:2016	e EN ISO Cut Resistance (Newtons)	2	5	10	15	22	30
abcdef	f EN Impact Protection		PASS or FAIL				

Note: Level X can also be applied for a through e above, which means "not tested" or "not applicable"

EN 388:2016: main changes from the previous EN 388:2003 standard

1. ABRASION

New abrasion paper used in testing.

2. CUT

New procedure for Coupe Test which also determines if dulling occurs. If dulling occurs, the new EN ISO 13977 test method becomes the reference whilst the Coupe Test would only be indicative.

3. IMPACT

Test method for areas claiming impact protection. "P" for pass whilst no code will apply in case of fail.

cro-organism	ıs								
	Performance levels				1		2	3	
EN 1374:2003 EN level ≥ 2 N ISO 374-5:2016 VIRUS	Old: AQL (Acceptable of A high index number is good. Gloves need to putest method remains ustandard. New: in addition to test fungi, each glove can build in the standard.	4.0 1.		5 0.65					
emical prote	ction								
XYZ I ISO 374-1:2016 Type C	Old: breakthrough time > 30 minutes for at least three chemicals from this list (XYZ represent the code letters for three of these chemicals for which the glove obtained > 30 minutes breakthrough time). New:			A. Methanol B. Acetone C. Acetonitrile D. Dichloromethane E. Carbon disulphide F. Toluene G. Diethylamine H. Tetrahydrofura I. Ethyl acetate J. n-Heptane K. Sodium hydroxi			furane e Iroxide 40%		
I ISO 374-1:2016 Type B	Type C At least Level 1 performance (more than 10 minutes) against at least one chemical on the list – cuffs are also tested.* Type B At least Level 2 performance (more than 30 minutes) against at least three chemicals on the list – cuffs are also tested.*				Additional chemicals M. Nitric acid 65% N. Acetic acid 99% O. Ammonium hydroxide 25%		P. Hydrogen peroxide 30% S. Hydrofluoric acid 40 % T. Formaldehyde 37%		
UVWXYZ	Type A At least Level 2 against at least six che	•	•	,					
	Performance level	0	1	2	3	4	5	6	
	Minutes	< 10	10	30	60	120	240	> 480	

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

* Only if the glove is >= 40 cm



TRANSPORT INDUSTRY PROCESSES



1. WAREHOUSING & SHIPPING

Applications:

- Driving forklifts
- Loading/ unloading trucks and vehicles
- Handling incoming/ outgoing goods

User needs:

- Medium to high abrasion protection
- High dexterity and flexibility
- Oil repellence and grip



2. BOARDING SERVICES

Applications:

- Handling luggage
- Driving forklifts
- Handling pallets

User needs:

- Medium to high abrasion protection
- High visibility
- Wet grip



3. MECHANICAL MAINTENANCE

Applications:

- Assembly and disassembly of equipment
- Equipment repair and maintenance
- Repair and replacement of network equipment

User needs:

- Abrasion, cut and puncture protection
- Dexterity, tactility
- Oil repellence and grip



HyFlex® 11-818



HyFlex® 11-926



HyFlex® 11-539

Applications:

- Cleaning body parts
- Handling lubricants and cleaners

4. CHEMICAL MAINTENANCE

Painting and repairing

User needs:

- Chemical protection
- Grip in both dry and oily environments
- Light to medium mechanical protection



AlphaTec® 58-435



AlphaTec® 58-270



MicroFlex® 93-852



HyFlex® 11-531



HyFlex® 11-840



HyFlex® 11-926



ActivArmr® Hi-Viz™ 97-012

HyFlex® 11-724



5. FUELLING

Applications:

- Refuelling planes and vehicles
- Decanting tanks
- Inspection and repair

User needs:

- Chemical resistance and grip
- Dexterity, tactility
- Thermal protection



AlphaTec® 58-270



AlphaTec® 58-535B



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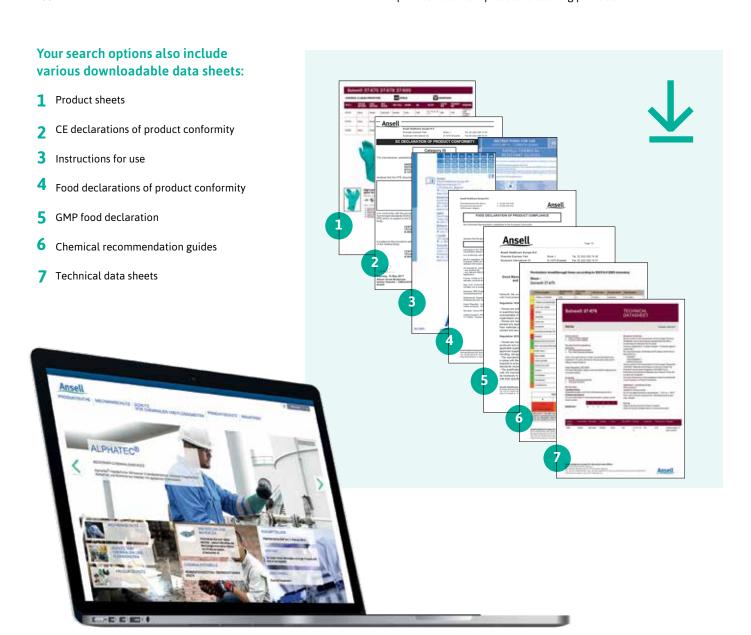


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