

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 I applies to all kinds of protective gloves I tearing.	in resp	pect of physi	ical and mechar	nical aggress	ions caı	used by	abrasion, b	lade cut,	
Performance le	vel rating		1	2	3			4	5	
	a Abrasion Resistance (Cycles)		100	500	200	0	8	8000	-	
EN 388:2003	b Blade Cut Resistance (Coupe Test/Index)		1.2	2.5	5.0		=	10.0	20.0	
abcd	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)	Α	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 374:2003 EN level ≥ 2 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 wireses with a new viruses.	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. Dichlorome E. Carbon disu F. Toluene	thane	G. Diethylamine H. Tetrahydrofurane I. Ethyl acetate J. n-Heptane K. Sodium hydroxide 40% L. Sulphuric acid 96%		
I ISO 374-1:2016 Type B	Type C At least Level 1 against at least one ch Type B At least Level 2 against at least three of	Additional che M. Nitric acid 6 N. Acetic acid O. Ammonium hydroxide 25%	99%	P. Hydrogen peroxide 30% S. Hydrofluoric acid 40 % T. Formaldehyde 37%					
TSO 374-1:2016 Type A 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

MINING INDUSTRY PROCESSES



1. INFRASTRUCTURE CONSTRUCTION

Applications:

- Signalling/positioning
- Operating of heavy machinery
- Pipe handling

User needs:

- Abrasion resistance
- Dexterity
- Comfort



HyFlex® 11-751



HyFlex® 11-840



HyFlex® 11-801

M₂ 2. EXTRACTION & **EXPLORATION**

Applications:

- Drilling and blasting
- Hydraulic set and testing
- · Loading and hauling

User needs:

- · Dexterity and grip
- Comfort
- High visibility



ActivArmr® 97-013



ActivArmr® 97-120



ActivArmr® 97-125

3. CRUSHING

4. WASHING & PREPARATION

ATT IS

Applications:

palletisation

User needs:

• Cut resistance

Durability

· Concentration, mixing and

• Improved chemical protection

AlphaTec® 58-735

AlphaTec® 1500*

· Use of binding agents Cleaning of equipment

Applications:

- Crushing and unloading ore
- Primary grinding
- Inspection of primary product

User needs:

- Enhanced wet/oil grip
- Chemical resistance to splashes
- Comfort for hot environments



HyFlex® 11-926



HyFlex® 11-937



TouchNTuff® 93-250



MICROGARD® 1600 PLUS



Applications:

- Hydraulic repair
- Product inspection
- Shipping and loading of product

5. TRANSPORT &
LOGISTICS

User needs:

- Wet and oil grip
- Chemical splash resistance
- Cut protection



6. SERVICE/MAINTENANCE

Applications:

- Vehicle maintenance
- Conveyer and long wall maintenance
- Re-fuel oil, fluid and diesel

User needs:

- Cut resistance
- Durability
- · Dexterity and tactility

AlphaTec® 1800

STANDARD*

Applications:

- Accidental chemical releases
- Rescue/extraction from confined spaces

7. RESCUE & EMERGENCY RESPONSE

• Basic first aid

User needs:

• Chemical protection



HvFlex® 11-927



ActivArmr® 97-013



AlphaTec® 58-128



HvFlex® 11-849





HyFlex® 11-939



TouchNTuff® 93-250



ActivArmr® 80-813



MICROFLEX® 93-852



MICROCHEM® 6000

^{*}There will be a transitional period where there will be a mix of old and newly branded products in the market. Functionality and performance of the products will remain unchanged, the current products and the new ones have the same quality and same protection.

GET MORE PRODUCT INFORMATION ONLINE

Our websites provide you with easy access to our product search tools along with data/product sheets and certificates.



★ http://industrialcatalogue.ansell.eu

Select the right glove or sleeve that best fits your industry and application.



★ www.microgard.com

Find more information on our MICROGARD®, MICROCHEM® and AlphaTec® chemical protective clothing products.

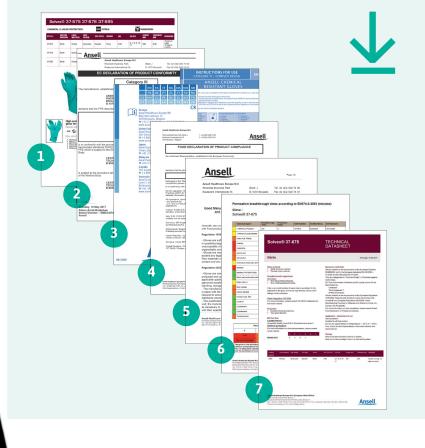
★ http://protective.ansell.com

Find more information on our VIKING™, TRELLCHEM®, TRETIGHT™, TRELLTENT™ and AlphaTec® products.

Your search options also include various downloadable data sheets:

- 1 Product sheets
- > EU declaration of conformity
- 3 Instructions for use
- 4 Food declarations of product conformity
- 5 GMP food declaration
- 6 Chemical recommendation guides
- 7 Technical data sheets





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