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AnsellGUARDIAN® Chemical Report

OrgNBUIXGLv

July 29, 2025

Ansell

Disclaimer

In this report, you will find information related to the barrier performance of the personal protective equipment (PPE) you selected. This information is intended to enable the Health and Safety professional at your organization make more informed decisions about the Ansell PPE that may offer the greatest protection in the intended circumstances and assist with carrying out a risk assessment for your organization.

We wish to highlight that permeation times and penetration data do not equate to safe wear time. Safe wear time may vary depending on whether the PPE is donned correctly, the surrounding temperature, the chemicals' toxicity, and other factors. The test data offered here is limited to the main protective material. Results may vary around seams, zips, visors or any other joins or components of the PPE. It is the responsibility of your organization's Health and Safety professional to undertake a risk assessment before choosing the appropriate PPE for the task at hand. If you want to discuss any aspect in detail, please contact us.

Data is subject to change if new testing is carried out or new information is available. For these reasons, any information in this report is provided for informational purposes only and Ansell fully disclaims any liability including warranties related to any statement contained herein.

Penetration Legend

Result	Time(Minutes)
Pass	>60
Fail	<60

Class	Penetration	Repellency
3	<1%	>95%
2	<5%	>90%
1	<10%	>80%
N/A	>10%	<80%

ASTM F903: Procedure C

A penetration test with a Pass/Fail result based on a visual assessment of the fabric's interior after 60 minutes of continuous chemical contact. This test simulates a burst pipe scenario, where the material is exposed to the chemical for 5 minutes without additional pressure, followed by 1 minute at 13.8 Kpa, and then 54 minutes with no additional pressure applied.

EN ISO 6530: 2005

Colloquially known as the "gutter test", this method quantifies penetration, absorption, and repellence for low-volume, low-pressure liquid splashes. A 10 cm^3 volume of chemical is poured over the fabric surface and collected. The results are expressed as percentage values, representing the amount of chemical that passed through the fabric (penetration, I_P), was repelled by the fabric surface (repellence, I_R) or was absorbed and retained within the fabric (absorbance, I_A).

Results are classified according to EN 14325: 2004.

PS = Physical State: A = Aerosol, G = Gas, L = Liquid, P = Paste, S = Solid

Product Group: 1500 PLUS FR White
Brand : AlphaTec®

For inquiries about chemical testing, please contact anselltesting@ansell.com.

CAS	Chemical Name	%	PS	EN ISO 6530:2005				ASTM F903: Procedure C	
				Penetration		Repellency			
				I_p (%)	EN 14325:2004 Class (of 3)	I_r (%)	EN 14325:2004 Class (of 3)	Pass/Fail	Time (min)
71-36-3	n-Butanol	100.0	L	17.3	N/A	13.8	N/A		
95-47-6	o-Xylene	100.0	L	29.6	N/A	0.0	N/A		
1310-73-2	Sodium Hydroxide	10.0	L	0.8	3	95.1	3		
7664-93-9	Sulphuric Acid	30.0	L	0.3	3	95.2	3		