

# Technical Declaration

## Chemical Recommendation Guide

The Business Operator, established in the European Community:

Freudenberg Home and Cleaning Solutions GmbH  
 Im Technologiepark 19  
 D-69469 Weinheim, Germany

declares that the glove described hereafter:

**Vileda® Professional**  
**HeavyWeight**

shows the below mentioned permeation breakthrough time and degradation according to EN ISO 374:2016:

Chemical	Permeation breakthrough time [minutes]	Protection Index	Degradation [%]	Test Method	Notified Body
Acetic acid 99% [N]	45	2	Palm: 19.5 Cuff: 11.3	as per EN 16523	Centexbel
Formaldehyde 37 % [T]	>480	6	Palm: 2.8 Cuff: -0.3	as per EN 16523	Centexbel
Hydrogen peroxide 30 % [P]	>480	6	Palm: 9.0 Cuff: -2.4	as per EN 16523	Centexbel
Methyl alcohol [A]	34	2	Palm: 10.6 Cuff: 2.6	as per EN 374-3	Centexbel
Sodium hydroxide 40 % [K]	>480	6	Palm: 1.0 Cuff: -6.1	as per EN 374-3	Centexbel
Sulphuric acid 96 % [L]	100	3	Palm: 45.3 Cuff: 19.2	as per EN 374-3	Centexbel

PERMEATION BREAKTHROUGH TIMES ACCORDING TO EN ISO 374:2016						
0	1	2	3	4	5	6
< 10	10-30	30-60	60-120	120-240	240-480	> 480
Not recommended	Splash protection		Medium protection		High protection	

These data are based on tests under laboratory conditions from samples taken from the palm only and relates only to the chemical tested. It can be different if it be used in a mixture. For gloves equal or longer than 400 mm, the chemical resistance data is based from samples taken, 80 mm from the end of the cuff. The chemical resistance data may not reflect the actual duration of protection in the workplace and the differentiation between mixtures and pure chemicals. It is therefore recommended to check that the gloves are suitable for the intended use because the conditions at the workplace may differ from the type test depending on temperature, abrasion and degradation. When used, protective gloves may provide less resistance to the dangerous chemical due to changes in physical properties. Movements, snagging, rubbing, degradation caused by the chemical contact etc. may reduce the actual use time significantly. For corrosive chemicals, degradation can be the most important factor to consider in selection of chemical resistant gloves.

Notified Body: **Centexbel (I.D. number 0493)**  
**Technologiepark 70**  
**B-9052 Zwijnaarde**

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