

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 Universal

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
Sodium hydroxide 40% [K]	>480	6	Palm: -1.7 Cuff: -5.4	Permeation: as per EN 374-3 Degradation: as per EN 374-4	Centexbel
Ammonia 25% [O]	73	3	Palm: 33.8 Cuff: 39.4	Permeation: as per EN 16523-(1) (2015) Degradation: as per EN 374-4	Centexbel
Hydrofluoric acid 40%* (S)	42	2	70	Permeation: as per EN 16523-(1) (2015) Degradation: as per EN 374-4	INSPEC (Permeation) Force Technology (Degradation)

*Obtained permeation results against hydrofluoric acid 40% are reported as inhomogeneous

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)**
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