

## TECHNICAL DATA SHEET

**PRODUCT CODE: 1445 SOLVO****Protection category: III**

**GLOVE DESCRIPTION:** resistant and flexible PVC gloves, with an additional layer of granular PVC on the hand area to ensure excellent grip in wet and dry environments. The thickness of the glove offers increased resistance to wear and abrasion. The inside of the glove is lined with interlock cotton. The wide cuff facilitates easy removal. The gloves are treated with Actifresh or Sanitized for protection against micro-organisms that cause unpleasant odors or cross-infections. Length 350 mm.

**SIZES:** 7, 8, 9, 10, 11

**FIELD OF USE:** suitable for general manipulations in most industrial fields and can be used for general chemical manipulations. They are not recommended for use in contact with corrosive chemical substances.

**NOTE:** gloves should not be used when there is a danger of getting caught in the moving parts of the equipment. Test results are valid for new, unused gloves. In the case of gloves with multiple layers, the total classification does not necessarily reflect the performance of the outer layer. The information does not reflect the actual duration of protection at the workplace and the difference between pure chemicals and mixtures.

The chemical resistance was evaluated in laboratory conditions on samples taken from the palm and refers only to the tested chemical substances. It can be different if the chemicals are used in a mixture with other substances.

It is recommended to check if the gloves are suitable for the purpose for which they will be used, because the conditions at the workplace may be different from those during the test, depending on the temperature, abrasion, degradation. When in use, protective gloves may have a lower resistance to hazardous chemicals due to changes in physical properties.

Movement, obstruction, friction or degradation caused by contact with chemicals can significantly reduce service life. For corrosive chemical substances, degradation can be the most important factor that must be taken into account when selecting chemical protective gloves.

Before use, check the gloves for defects or imperfections.

The level of degradation indicates the change in the puncture resistance of the gloves after exposure to chemical substances.

Penetration resistance was evaluated in laboratory conditions and refers only to the tested specimens.

The level of protection is measured from the palm area of the glove with a double coating layer.

**TECHNICAL INFORMATION:** dexterity level 2 in accordance with EN ISO 21420:2020.

The EU type examination is performed by SATRA Technology Europe Limited, Bracetown Business Park, Colonee, D15YN2P, Republic of Ireland, NB #2777 in accordance with EU Regulation 2016/425.

The samples were taken and tested for leakage in accordance with Annex-A of the standard EN 374 part 2 and EN 374 part 2 section 5.2 resulting in performance level 3 and inspection level G1, being classified as acceptable quality level (AQL)<0.65

These products are produced based on a registered quality system and comply with ISO 9001 requirements.

The manufacturer has been examined according to the EU quality assurance system by monitoring production according to EU Regulation 2016/425 Modul D by SGS Fimko Oy, P.O.BOX 30 (Sarkiniementie 3), 00211 Helsinki, Finland (Notified Body No.0598). The models referred to are intended to ensure the safety requirements according to the EU Regulation for protective equipment and respectively the standards EN ISO 21420:2020, EN 388:2016+A1:2018, EN ISO 374-1:2016+A1:2018 and EN ISO 374-5:2016.



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**Mechanical test results according to EN 388: 2016+A1:2018**

Mechanical characteristics	Result	Mechanical properties	Level 1	Level 2	Level 3	Level 4	Level 5	
Abrasion resistance	Level 4	Abrasion (cycles)	100	500	2000	8000	-	
Cut resistance	Level 1	Cutting (Index)	1.2	2.5	5.0	10.0	20.0	
Tear resistance	Level 2	Tearing (Newton)	10	25	50	75	-	
Puncture resistance	Level 1	Perforation (Newton)	20	60	100	150	-	
TDM cut resistance	X	Cutting force (Newton)	A >2, B >5, C >10, D >15, E >22, F >30					



**In accordance with EN ISO 374-1:2016+A1:2018/ Type A**

Chemical substance	Nivel
n-Heptane (J)	2
40% Sodium Hydroxide(K)	6
96% Sulphuric Acid (L)	3
65% Nitric Acid (M)	3
30% Hidrogen peroxide (P)	6
40% Hydrofluoric acid (S)	5
37% Formaldehyde (T)	6



JKLMPST

Level	1	2	3	4	5	6
Penetration time (minutes)	>10	>30	>60	>120	>240	>480

**In accordance with EN ISO 374-4:2019**

Chemical substance	Mean Degradation %
n-Heptane (J)	3.9
40% Sodium Hydroxide(K)	13.5
96% Sulphuric Acid (L)	62.4
65% Nitric Acid (M)	34.3
30% Hidrogen peroxide (P)	-1.7
40% Hydrofluoric acid (S)	X
37% Formaldehyde (T)	1.4

**Tested in accordance with EN ISO 374-5:2016**

Resistant to bacteria and fungi - pass  
Virus resistance - pass



VIRUS

**X = not tested**

The level of chemical protection is established in the palm of the gloves

The EU declaration of conformity and the instructions for use can be downloaded at: <https://magazin.renania.ro>

**MARKING:**

- the name of the manufacturer
- model number
- size
- CE mark
- relevant icons with performance levels

Sizes	7/S	8/M	9/L	10/XL	11/XXL
Hand size according to EN ISO 21420:2020	7	8	9	10	11

**NOTE:** none of the materials or production processes of these products are known to have harmful effects on the user. The protection is limited to the soaked area of the glove. The present information is intended to help the user select the appropriate protective equipment.

The results of laboratory tests can be helpful in the selection of gloves, however, it must be understood that the conditions of use cannot be accurately simulated. It is the responsibility of the end user and not of the manufacturer to determine the suitability of the glove for the intended purpose.

Any other information can be obtained at:

**Renania Trade S.R.L., str. Dezrobirii no. 19, 540240 TG MURES, ROMANIA**



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