# Permeation breakthrough times according to EN374-3:2003 (minutes)

## Glove :

Solvex® 37-676

| | Chemical Agent | Breakthrough Time | Protection Index | CAS Number | Notified Body | EN Standard |
|---|---|---|---|---|---|---|
| | 1-Methoxy-2-Propanol | 237 | 4 | 107-98-2 | Centexbel | 374-3:2003 |
| | 1-Methoxy-2-propylacetate | 132 | 4 | 108-65-6 | Centexbel | 374-3:2003 |
| | Acetic Acid, Glacial | 53 | 2 | 64-19-7 | Centexbel | 374-3:2003 |
| | Acetone | 7 | 0 | 67-64-1 | Centexbel | 374-3:2003 |
| | Acetonitrile | 5 | 0 | 75-05-8 | Centexbel | 374-3:2003 |
| | Acrylic Acid | 10 | 1 | 79-10-7 | Centexbel | 374-3:2003 |
| | Allyl alcohol | 51 | 2 | 107-18-6 | Centexbel | 374-3:2003 |
| | Ammonium Hydroxide, 25% | 131 | 4 | 1336-21-6 | Centexbel | 374-3:2003 |
| | Benzene | 9 | 0 | 71-43-2 | Centexbel | 374-3:2003 |
| | Benzine (FAM DIN 51635) | > 480 | 6 | | Centexbel | 374-3:2006 |
| | Berol (oleyl amine ethoxylate) | > 480 | 6 | | Centexbel | 374-3:2003 |
| | Bioten Ultra IV | 136 | 4 | | Force Technology | 374-3:2003 |
| | Butyl Acetate | 29 | 1 | 123-86-4 | Centexbel | 374-3:2003 |
| | Carbon disulfide | 12 | 1 | 75-15-0 | Centexbel | 374-3:2003 |
| | Chromic Acid, 50% | > 480 | 6 | 11115-74-5 | Centexbel | 374-3:2003 |
| | Crude oil | > 480 | 6 | 68308-34-9 | Centexbel | 374-3:2003 |
| | Cyclohexane | > 480 | 6 | 110-82-7 | Centexbel | 374-3:2003 |
| | Cyclohexanol | > 480 | 6 | 108-93-0 | Centexbel | 374-3:2003 |
| | Cyclohexanone | 42 | 2 | 108-94-1 | Centexbel | 374-3:2003 |

| Permeation breakthrough times according to EN374-3:2003 (minutes) | | | | | | |
|---|---|---|---|---|---|---|
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| < 10 | 10-30 | 30-60 | 60-120 | 120-240 | 240-480 | > 480 |
| Not recommended | Splash protection | | Medium protection | | High protection | |

Data given in the table above are based on results of laboratory tests performed on the palm area of the glove or are based on extrapolations from the results of laboratory tests. These tests were run using standard test methods that may not adequately replicate any specific conditions of end use. Because Ansell has no detailed knowledge or control over the conditions of end use, any of these data must be advisory only, and Ansell must decline any liability.

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|---|---|---|---|---|---|---|
| | Diesel fuel | > 480 | 6 | 68334-30-5 | Centexbel | 374-3:2003 |
| | Diethylamine | 17 | 1 | 109-89-7 | Centexbel | 374-3:2003 |
| | Dimethylacetamide | 18 | 1 | 127-19-5 | Centexbel | 374-3:2003 |
| | Dimethylformamide | < 5 | 0 | 68-12-2 | Centexbel | 374-3:2003 |
| | Dodecylbenzene Sulphonic Acid | > 480 | 6 | | Centexbel | 374-3:2003 |
| | Ethyl Acetate | 18 | 1 | 141-78-6 | Centexbel | 374-3:2003 |
| | Ethylamine | 85 | 3 | 75-04-7 | Centexbel | 374-3:2003 |
| | Formic acid, 98-100% | 22 | 1 | 64-18-6 | Force Technology | 374-3:2003 |
| | Fuel oil | > 480 | 6 | 68476-30-2 | Centexbel | 374-3:2003 |
| | Gasoline | 134 | 4 | 8006-61-9 | Centexbel | 374-3:2003 |
| | Glutaraldehyde, 50% | > 480 | 6 | 111-30-8 | Force Technology | 374-3:2003 |
| | Heptane | > 480 | 6 | 142-82-5 | Centexbel | 374-3:2003 |
| | Hexane | > 480 | 6 | 110-54-3 | Centexbel | 374-3:2003 |
| | Hydrochloric Acid, 30% | > 480 | 6 | 7647-01-0 | Centexbel | 374-3:2003 |
| | Hydrofluoric Acid, 48% | 179 | 4 | 7664-39-3 | Centexbel | 374-3:2003 |
| | Hydrogen Fluoride 3.0, anhydrous | 1 | 0 | 7664-39-3 | Force Technology | 374-3:2003 |
| | Hydrogen Peroxide, 30% | > 480 | 6 | 7722-84-1 | Centexbel | 374-3:2003 |
| | Iso-Octane | > 480 | 6 | 540-84-1 | Centexbel | 374-3:2003 |
| | Isopropanol | > 480 | 6 | 67-63-0 | Centexbel | 374-3:2003 |

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# Permeation breakthrough times according to EN374-3:2003 (minutes)

## Glove :

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| | Chemical Agent | Breakthrough Time | Protection Index | CAS Number | Notified Body | EN Standard |
|---|---|---|---|---|---|---|
| | Methanol | 28 | 1 | 67-56-1 | Centexbel | 374-3:2003 |
| | Methyl Isobutyl Ketone | 27 | 1 | 108-10-1 | Centexbel | 374-3:2003 |
| | Methyl ethyl ketone | 5 | 0 | 78-93-3 | Centexbel | 374-3:2003 |
| | Methylmethacrylate | 19 | 1 | 80-62-6 | Centexbel | 374-3:2003 |
| | Mineral oil | > 480 | 6 | 8012-95-1 | Centexbel | 374-3:2003 |
| | Naphta VMP | 84 | 3 | 8030-30-6 | Centexbel | 374-3:2003 |
| | Nitric Acid, 70% | 26 | 1 | 7697-37-2 | Centexbel | 374-3:2003 |
| | Nitrobenzene | 105 | 3 | 98-95-3 | Centexbel | 374-3:2003 |
| | Peracetic acid, 39% | 55 | 2 | 79-21-0 | Force Technology | 374-3:2003 |
| | Perchloroethylene | 136 | 4 | 127-18-4 | Centexbel | 374-3:2003 |
| | Phenol 90% | 64 | 3 | 108-95-2 | Force Technology | 374-3:2003 |
| | Phosphoric Acid, conc. | > 480 | 6 | 7664-38-2 | Centexbel | 374-3:2003 |
| | Piperazine | > 480 | 6 | 110-85-0 | Centexbel | 374-3:2003 |
| | Propylacetate | 20 | 1 | 109-60-4 | Centexbel | 374-3:2003 |
| | Propylene Glycol | > 480 | 6 | 57-55-6 | Centexbel | 374-3:2003 |
| | Pyridine | 10 | 1 | 110-86-1 | Centexbel | 374-3:2003 |
| | SkyKleen 1000 | < 90 | < 3 | | Force Technology | 374-3:2003 |
| | Sodium Hydroxide, 50% | > 480 | 6 | 1310-73-2 | Centexbel | 374-3:2003 |
| | Styrene | 24 | 1 | 100-42-5 | Centexbel | 374-3:2003 |

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# Permeation breakthrough times according to EN374-3:2003 (minutes)

## Glove :

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|---|---|---|---|---|---|---|
| | Sulphuric acid, 96% | 49 | 2 | 7664-93-9 | Centexbel | 374-3:2003 |
| | Tetrahydrofuran | 6 | 0 | 109-99-9 | Centexbel | 374-3:2003 |
| | Tetrahydrothiophene | 12 | 1 | 110-01-0 | Centexbel | 374-3:2003 |
| | Toluene | 23 | 1 | 108-88-3 | Centexbel | 374-3:2003 |
| | Triethylamine | > 480 | 6 | 121-44-8 | Centexbel | 374-3:2003 |
| | White Spirit | > 480 | 6 | 64742-88-7 | Centexbel | 374-3:2003 |
| | Xylene | 49 | 2 | 1330-20-7 | Centexbel | 374-3:2003 |
| | n-Undecane | > 480 | 6 | 1120-21-4 | Centexbel | 374-3:2003 |

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