

CHEMICAL MAXI OVERBOOTS



workMaster™
by RESPIREX

Petrochemical

Emergency Services

Industrial Chemicals

Hazardous Waste

Pharmaceuticals

A chemically protective anti-static overboot with a vulcanized rubber sole for superior slip resistance.

Boot Shaft

- Ingenious rear entry design ensures the boot is quick and easy to fit and remove
- Ideal for personnel who have to continually enter and exit hazardous areas
- Green chemically resistant compound shaft certified to EN 13832
- Conforms to EN 943-1 (Chemical protective clothing)
- Meets the requirements of NFPA 1991 (Chemical Vapour protection)
- Resistant to Chemical Warfare agents and decontamination solutions
- Seamless construction
- Kick off lug
- CE marked on the shaft with date and year of manufacture
- REACH Compliant

Boot Sole

- Black vulcanized rubber sole for maximum grip - 30% better than a conventional safety boot sole
- Slip resistance performance twice that required by SATRA TM144 standard
- Two to three times the wear resistance of conventional soles
- Anti-static to EN ISO 20347 (1000MΩ to 100KΩ)
- Fuel and oil resistant
- Greater cut resistance than conventional soles
- Resistance to hot contact 60 seconds 300°C

Care

- Machine washable at up to 40°C
- Shelf life of over 10 years

Certification

| | |
|-------------------------------|---------------------------|
| Chemical Protective Footwear | EN 13832 pt 3 |
| Safety Footwear | EN ISO 20347 A FO HRO SRC |
| Personal Protective Equipment | PPE DIR 89/686/EEC |

Options

- Electro-Static Discharge (ESD) version to EN61340-5, suitable for applications such as pharmaceutical electro-protective areas
- Available in black (500 piece MOQ)

Sizes

| | Medium | Large | Extra-Large |
|----|---------|---------|-------------|
| UK | 6 - 8 | 9 - 11 | 12 - 14 |
| EU | 39 - 42 | 43 - 45 | 46 - 49 |
| US | 7 - 9 | 10 - 12 | 13 - 15 |

EN 13832
Chemical Protection



For use with safety boots (safety boots not included)

WORKMASTER™ CHEMICAL OVERBOOTS - CHEMICAL PERMEATION

| Chemical | CAS no. | Method | Breakthrough time |
|--|-------------------------------|---------|---------------------------|
| Acetic acid (Glacial) | 64-19-7 | EN374-3 | Over 8 HOURS |
| Acetone | 67-64-1 | EN374-3 | Over 2 HOURS |
| Acetone Cyanohydrin | 75-86-5 | EN374-3 | Over 8 HOURS |
| Acetonitrile | 75-05-08 | EN374-3 | Over 6 HOURS |
| Acrylic Acid | 79-10-7 | EN374-3 | Over 8 HOURS |
| Acrylonitrile | 107-13-1 | EN374-3 | Over 2 HOURS |
| Ammonia 5% | 1336-21-6 | EN374-3 | Over 8 HOURS |
| Ammonia Gas | 7664-41-7 | EN374-3 | Over 8 HOURS |
| Ammonium Pentadecafluoro-octanoate (30% in water) | 3825-26-1 | EN374-3 | Over 8 HOURS |
| Aniline | 62-53-3 | EN374-3 | Over 8 HOURS |
| Anti-knock(Tetraethyl lead 60%Dibromoethane 30%/ Dichloroethane 10% TEL-CB | 78-00-2 / 106-03-4 / 107-06-2 | EN374-3 | Over 8 HOURS |
| Aqueous Phenol 85% | 108-95-2 | EN374-3 | Over 8 HOURS |
| Arsenic Acid | 7778-39-4 | EN374-3 | Over 8 HOURS |
| Benzene | 71-43-2 | EN374-3 | Over 4 HOURS |
| Benzene 85.5%/Toluene 8.6%/ Xylene3.2%/ Naphalene2.7% | | EN374-3 | Over 3 Hours Benzene only |
| Benzyl Chloride | 100-44-7 | EN374-3 | Over 8 HOURS |
| Bromine | 7726-95-6 | EN374-3 | Over 7 HOURS |
| Buta-1,3-diene Gas | 106-99-0 | EN374-3 | Over 3 HOURS |
| Butyl Acetate | 123-86-4 | EN374-3 | Over 6 HOURS |
| Cable oil | | EN374-3 | Over 8 HOURS |
| Carbazole | 86-74-8 | EN374-3 | Over 8 HOURS |
| Carbon Disulphide | 75-15-0 | EN374-3 | Over 1 HOUR |
| Chlorine Gas | 7782-50-5 | EN374-3 | Over 3 HOURS |
| Chromic Acid | 1333-82-0 | EN374-3 | Over 8 HOURS |
| Cyanogen Chloride | 506-77-4 | NFPA | No permeation detected |
| Cyclohexylamine | 108-91-8 | EN374-3 | Over 8 HOURS |
| Dichloromethane | 75-09-02 | EN374-3 | Over 1 HOUR |
| Diethylamine | 109-89-7 | EN374-3 | Over 2 HOURS |
| Diethylene Glycol dimethylether | 111-46-6 | EN374-3 | Over 8 HOURS |
| Dimethyl Formamide | 68-12-2 | EN374-3 | Over 8 HOURS |
| Epichlorohydrin | 106-89-8 | EN374-3 | Over 7 HOURS |
| Ethanol (Ethyl Alcohol) | 64-17-5 | EN374-3 | Over 8 HOURS |
| Ethyl Acetate | 141-78-6 | EN374-3 | Over 4 HOURS |
| Ethylene Glycol | 107-21-1 | EN374-3 | Over 8 HOURS |
| Ethylene Dichloride | 107-06-2 | EN374-3 | Over 8 HOURS |
| Ethylene Oxide | 75-21-8 | EN374-3 | Over 2 HOURS |
| Ethylenediamine tetra-acetic acid tetrasodium salt(EDTA) 5% | 64-02-8 | EN374-3 | Over 8 HOURS |
| Formaldehyde 37 % | 50-00-0 | EN374-3 | Over 8 HOURS |
| Formic Acid 65% | 64-18-6 | EN374-3 | Over 8 HOURS |
| Hexane | 110-54-3 | EN374-3 | Over 7 HOURS |
| Hydrazine | 302-01-2 | EN374-3 | Over 8 HOURS |
| Hydrazine 5% | 7803-57-8 | EN374-3 | Over 8 HOURS |
| Hydrochloric Acid 48% | 7647-01-0 | EN374-3 | Over 8 HOURS |
| Hydrofluoric Acid 48% | 7664-39-3 | EN374-3 | Over 8 HOURS |
| Hydrofluoric Acid 48% | 7664-39-3 | EN374-3 | Over 66 HOURS |
| Hydrofluoric Acid 73% | 7664-39-3 | EN374-3 | Over 8 HOURS |
| Hydrogen Chloride Gas | 7647-01-0 | EN374-3 | Over 8 HOURS |

| Chemical | CAS no. | Method | Breakthrough time |
|--|---------------------|---------|------------------------|
| Hydrogen Fluoride gas anhydrous | 7664-39-3 | EN374-3 | Over 1 HOUR |
| Hydrogen Peroxide (10 volume (3%) solution) | 7722-84-1 | EN374-3 | Over 8 HOURS |
| Hydrogen Peroxide (50%) | 7722-84-1 | EN374-3 | Over 8 HOURS |
| Iso-butane | 75-28-5 | EN374-3 | Over 8 HOURS |
| Iso-butane followed by Hydrofluoric acid 71-75% | 75-28-5 + 7664-39-3 | EN374-3 | Over 8 HOURS |
| Iso-propanol (IPA) | 67-63-0 | EN374-3 | Over 8 HOURS |
| Lewisite | 541-25-3 | NFPA | No permeation detected |
| m-Cresol | 108-39-4 | EN374-3 | Over 8 HOURS |
| Methanol | 67-56-1 | EN374-3 | Over 8 HOUR |
| Methyl Ethyl Ketone (M.E.K) 2-Butanone | 78-93-3 | EN374-3 | Over 2 HOURS |
| Methyl Iodide 99% | 74-88-4 | EN374-3 | Over 1.5 HOURS |
| Methyl Methacrylate | 80-62-6 | EN 369 | Over 3 HOURS |
| methyl-1,2-pyrrolidone | 872-50-4 | EN369 | Over 8 HOURS |
| Methylene Chloride Gas | 74-87-3 | EN374-3 | Over 1 HOUR |
| Monochloroacetic acid | 79-11-8 | EN374-3 | Over 8 HOURS |
| Mustard Gas | 505-60-2 | NFPA | No permeation detected |
| Naphalene | 91-20-3 | EN374-3 | Over 8 HOURS |
| N,N-Dimethylaniline | 121-69-7 | EN374-3 | Over 8 HOURS |
| N,N-dimetyl acetamide | 127-19-5 | EN374-3 | Over 8 HOURS |
| Nitric Acid 50% | 7697-37-2 | EN374-3 | Over 8 HOURS |
| Nitric Acid 70% conc | 7697-37-2 | EN374-3 | Over 8 HOURS |
| Nitric Acid Etchant 80/20 | 7697-37-2 | EN374-3 | Over 8 HOURS |
| Nitro Benzene | 98-95-3 | EN374-3 | Over 3 HOURS |
| Oleum 40% SO ₃ | 8014-95-7 | EN374-3 | Over 8 HOURS |
| Oxalic Acid saturated solution | 6153-56-6 | EN374-3 | Over 8 HOURS |
| Phenol 50% in Methanol | 108-95-2/67-56-1 | EN374-3 | Over 8 HOURS |
| Phosphoric acid 25% | 7664-38-2 | EN374-3 | Over 8 HOURS |
| Phosphoric acid 75% | 7664-38-2 | EN374-3 | Over 8 HOURS |
| Propylene 1,2 oxide | 75-56-9 | EN374-3 | Over 1 HOUR |
| Red Fuming Nitric acid | 7697-37-2 | EN374-3 | Oner 4 HOURS |
| Saren Gas | 107-44-8 | NFPA | No permeation detected |
| Sodium Cyanide 30wt% | 143-33-9 | EN374-3 | Over 8 HOURS |
| Sodium Hydroxide 40% | 1310-73-2 | EN374-3 | Over 8 HOURS |
| Sodium Hypochlorite 16% | 7681-52-9 | EN374-3 | Over 8 HOURS |
| Styrene | 100-42-5 | EN374-3 | Over 8 HOURS |
| Sulphuric Acid 96% | 7664-93-9 | EN374-3 | Over 8 HOURS |
| Tetrachloroethylene | 127-18-4 | EN374-3 | Over 3 HOURS |
| Tetraethyl Lead (Octel Anti Knock) | 78-00-2 | EN374-3 | Over 8 HOURS |
| Tetrahydrofuran | 109-99-9 | EN374-3 | Over 3 HOURS |
| Toluene | 108-88-3 | EN374-3 | Over 4 HOURS |
| Toluene 2,4 Diisocyanate | 584-84-9 | EN374-3 | Over 8 HOURS |
| Trichloroethane | 71-55-6 | EN374-3 | Over 6 HOURS |
| Trichloroethylene 1,1,2 | 79-01-6 | EN374-3 | Over 3 HOURS |
| Triethanol-amine | 102-71-6 | EN374-3 | Over 8 HOURS |
| Triethylene Glycol | 112-27-6 | EN374-3 | Over 8 HOURS |
| Trigonox K-80 Cumyl hydroperoxide 80% / 20% Cumene | 80-15-9/ 98-82-8 | EN 369 | Over 8 HOURS |
| VX | 50782-69-9 | NFPA | No permeation detected |
| Xylene | 1330-20-7 | EN374-3 | Over 4 HOURS |