



Microchem® 3000 Coverall, Model 111

Front entry coverall with double zip system.
Elasticated hood, waist & ankles. Elasticated double cuffs.

Part Number:	YE30-W-00-111
Seam Type:	Ultrasonically welded
CE Category:	Cat III

Fabric Details

Spunbond PP with barrier film

BS EN 20811 Hydrostatic Head (water pressure test)	>350cm
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EN14325 Fabric Physical Test Results	Result	EN Class
EN 530 Abrasion	500	3 of 6
EN ISO 7854 Flex Cracking	100,000	6 of 6
EN ISO 9073-4 Tear Resistance (MD)	44N	2 of 6
EN ISO 9073-4 Tear Resistance (CD)	29N	
EN ISO 13934-1 Tensile Strength (MD)	109N	2 of 6
EN ISO 13934-1 Tensile Strength (CD)	62N	
EN 863 Puncture Resistance	10N	2 of 6
EN ISO 13938-1 Burst Resistance	90kPa	2 of 6
EN 13274-4 Resistance to ignition	Pass	-
EN 1149-1 Anti-static	Pass	-

Whole Suit "TYPE" Testing	
EN 14605 Type 3	Pass
EN 14605 Type 4	Pass
EN ISO 13982-1 (&2) Type 5	Pass <4% TIL
EN 1073-2 Barrier to Radioactive particulates	Pass - Class1
ISO 13935-2 Seam Strength	>125N Class 3 of 6

EN14126 Fabric Barrier to Infective Agents

ISO 16603 Resistance to penetration by blood/fluids under pressure	Pass to 20kPa Class 6 of 6
ISO 16604 Resistance to penetration by blood borne pathogens	Pass to 20kPa Class 6 of 6
EN ISO 22610 Resistance to wet bacterial penetration (mechanical contact)	No penetration (up to 75 mins) Class 6 of 6
ISO/DIS 22611 Resistance to biologically contaminated aerosols	No penetration Class 3 of 3
ISO 22612 Resistance to dry microbial penetration	No penetration Class 3 of 3



MICROCHEM®

3000


TYPE 3-B


TYPE 4-B


TYPE 5-B


EN 1073-2


EN 1149-1


EN 14126



EN ISO 6529 Chemical Permeation Test Results** (NBT at 1.0µg/cm²/min)

Chemical Name	Cas Number	Normalised Breakthrough Time (minutes)	EN Class
Acetone	67-64-1	28 mins	1 of 6
Acetonitrile	75-05-8	Immediate	-
Ammonia Gas	7664-41-7	Immediate	-
Carbon Disulfide	75-15-0	Immediate	-
Chlorine Gas (99.5%)	7782-50-5	10 mins	1 of 6
Dichloromethane	75-09-02	Immediate	-
Diethylamine	109-89-7	Immediate	-
Ethyl Acetate	141-78-6	Immediate	-
n-heptane	110-54-3	Immediate	-
Hydrazine monohydrate 98% (containing Hydrazine, 64-65 wt%)	7803-57-8	>540 mins	6 of 6
Mercury	7439-97-6	>540 mins	6 of 6
Methanol	67-56-1	>540 mins	6 of 6
Sodium Hydroxide (40%)	1310-73-2	>540 mins	6 of 6
Sulphuric Acid (96%)	7664-93-9	>540 mins	6 of 6
Tetrahydrofuran	109-99-9	Immediate	-
Toluene	108-88-3	Immediate	-

**Microchem® 3000 has been tested against numerous liquid chemicals. For information on specific chemicals please visit www.microgard.com



YE30-W-00-111

MICROCHEM® 3000 - Suit Features

- Double zip system helps ensure a liquid tight seal
- Double cuff design to enable a liquid tight connection with chemical protective gauntlets*
- Hood designed for optimum fit with full face respirators
- Ultrasonically welded seams



* Additional taping required

Safety Note: All chemical tests and breakthrough times given relate to laboratory tests on fabrics only. Seams and closures may have lower breakthrough times, particularly when worn or damaged. It is the user's responsibility to select an appropriate garment, gloves, boots and other equipment for the particular use. The user shall be responsible for determining how long the garment can be worn for the particular use and whether it can be suitably cleaned for re-use. Microgard Limited does not give any warranties or make any representations about its garments other than those contained in the official literature supplied by Microgard Limited with each garment.