Specification Sheet

chemsplash
AG MAX

OUR NEW EN ISO 27065:2017 CLASS 2 SUIT!

EN ISO 27065:2017 Class 2

Protects Against Pesticides

EN14605 TYPE 4B

EN13982-1 TYPE 5B

EN13034 TYPE 6B

EN1073-2 NUCLEAR PARTICLE Class 1

EN14126 Infective Agents

EN 1149-5:2018 Anti-static

UK CA

chemsplash

PROTECTS AGAINST PESTICIDES

AG MAX
Type 4B/5B/6B

Style Code: **2658**

The Chemsplash AG MAX is made from a 65GSM microporous laminated Cat III Type 4B, 5B & 6B fabric. Coverall Protects Against Pesticides ISO 27065: 2017 Class 2. All seams are taped offering a stronger more effective barrier to liquids and particulate.

Chemplash AG MAX fabric is both anti-static to EN1149-5: 2018 / UKCA, and is resistant to infectious agents to EN14126 / UKCA, complying with the highest resistance to viral and bacterial infection. This suit is an ideal choice for agriculture, pharmaceutical, cleanroom, semi-conductor manufacturing and infection contamination control.

Features

- 65GSM Dark Green Microporous Laminate Fabric
- Fully Taped Seams
- Three Piece Hood
- Elasticated Cuffs with Thumb Loops
- Elasticated Hood, Back & Ankles
- Two Way Zip with Zip Flap
- Silicone & Latex Free
- Low Linting
- Anti Static

EN ISO 27065:2017 Class 2 Protects Against Pesticides
The standard specifies a set of requirements and test methods to measure fabric protection against infective agents. ISO 16603, ISO 16604, and ISO/DIS 22611 determine penetration by blood, body fluids, bloodborne, and biologically contaminated aerosol. ISO 22612, and ISO 22610 determine the resistance of dry and wet microbial penetration.

Suitable Applications

Agriculture
General Paint Spraying
Pharmaceutical Industries
Medical
Use with Pesticides
Fibreglass Product Manufacturing
Boat & Ship Building
Mining
Emergency Response

Colours Available

Green with Green Taped Seams

Sizes in CMs
in compliance with EN340

Size	Height	Chest
S	160-165	89-93
M	163-168	93-98
L	167-172	101-106
XL	173-178	108-114
XXL	176-181	116-122
XXXL	185-190	124-130

Performance of whole suit		
Test	Requirement	Result /Class/ Conformity
Resistance to liquid penetration - Spray test type 4 (EN ISO 17491-4 met. A – EN 14605)		Pass
Resistance to aerosol penetration - Inward leakage type 5 (EN ISO 13982-2 – EN ISO 13982)	$IL_{82/90} \leq 30\%$, $TILS_{8/10} \leq 15\%$	Pass
Nominal protection factor (EN ISO 13982-2)		Class 1
Practical performance test (EN 1073-2)		Pass
Resistance to permeation by chemicals (EN 6529 – met. A(liquids)	≥ 60 min	H_2SO_4 10% : Class 3
Seams: strength (EN ISO 13935-2)	> 75 N	Class 3

Performance of fabric		
Test	Requirement	Result /Class/ Conformity
Resistance to penetration to liquid (EN ISO 6530)	Class 3: < 1% Class 2: < 5% Class 1: < 10%	H_2SO_4 30%: class 3 NaOH 10%: class 3 o-xilene: class 3 Butan-1-ol: class 3
Repellency to liquid (EN ISO 6530)	Class 3: > 95% Class 2: > 90% Class 1: > 80%	H_2SO_4 30%: class 3 NaOH 10%: class 3 o-xilene: class 2 Butan-1-ol: class 2
Abrasion Resistance (EN 530 - method 2)	> 1000 cycles	Class 4
Trapezoidal tear resistance (EN ISO 9073-4)	> 20 N	Class 2
Trapezoidal tear resistance (EN ISO 9073-4 – EN 1073-2)	> 20 N	Class 3
Tensile strength (EN ISO 13934-1)	> 30 N	Class 1
Puncture resistance (EN 863)	> 10 N	Class 2
Resistance to permeation by chemicals (EN 6529 – met. A(liquids)	≥ 60 min	H_2SO_4 10% : Class 3
Flex cracking resistance (EN ISO 7854, met. B)	> 40 000 cycles	Class 5
Resistance to ignition (EN 13274-4)		Pass
Charge decay (Fabric, knitted cuffs) (EN 1149-3)	t50< 4 s, or S > 0,2	Pass
Resistance to blocking (EN 25978)		Pass
Resistance to penetration by blood-borne pathogens - phi-x174 bacteriophage test - ISO 16603/16604	20 kPa	Class 6
Resistance to penetration by infective agents due to mechanical contact with substances containing contaminated liquids - ISO 22610 (test microorganism: staphylococcus aureus)	t > 75 min	Class 6
Resistance to penetration by contaminated liquid aerosols - ISO DIS 22611 (test microorganism: staphylococcus aureus)	log > 5	Class 3
Resistance to penetration by contaminated solid particles - EN ISO 22612 (test microorganism: spores of Bacillus subtilis)	log cfu ≤ 1	Class 3
pH (Fabric, finger loops, foot loops, knitted cuffs) (ISO 3071)	3.5 < pH < 9.5	Pass
Aromatic amines (Fabric - green) (EN 14362-1)		Pass

ISO 27065:2017 - Class 2	
Analysis	Notes
6.5 Determination of maximum force and elongation at maximum force	Pass
6.6 Tear strength	Pass
6.2 & 6.3 Measurement of repellency, retention and penetration of liquid pesticide formulations through protective clothing materials	Pass
7.4 Tensile strength to seam rupture (grab method)	Pass
8.2 Ergonomics tests (practical performance)	Pass
8.3.1 Resistance to penetration by a vaporization of liquid	No requirement