Specification Sheet

chemsplash AG MAX

chemsplash AG MAX Type 4B/5B/6B

Style Code: **2658**

OUR NEW **DIN 32781** SUIT!

The Chemsplash AG MAX is made from a 65GSM microporous laminated Cat III Type 4B, 5B & 6B fabric. 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 and is resistant to infectious agents to EN14126, complying with the highest resistance to viral and bacterial infection. This suit is an ideal choice for 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

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 Grey 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

DIN 32781

Protective Against Pesticides

EN14605 — TYPE 4B

EN13982-1 — TYPE 5B

EN13034 — TYPE 6B

EN1073-2 — NUCLEAR PARTICLE Class 3

EN14126 — Infective Agents

EN 1149-5:2018 — Anti-static

Test in according to DIN 32781	Result	Class
Resistance to liquid penetration - Spray test Type 4 (EN ISO 17491-4 met. A – EN 14605)	18.2 m²Pa/W	Class 3
Resistance to liquid penetration - Spray test Type 6 (EN ISO 17491-4 met. A – EN 13034)	29.811,4 Pa	-
*Resistance to penetration by sprayed liquid chemicals, emulsions and dispersions (EN 14786)		
Betanal Expert	n.d	-
Folicur	n.d	-
Amistar	n.d	-
Pirimor Granulat	n.d	
U 46 D-Fluid	n.d	

**n.d.: The active ingredient of the spraying liquid could not be detected on the absorbens material (benchkote) with the extraction and detection method (HPLC-DAD) to be used. Limit value see above.*

Betanal Expert. Active ingredient. Phenmedipham (75 g/L)-Concentration for application 7,5 mL concentrate per liter praying liquid (aqueous) – Concentration of active ingredient for spraying liquid: 560 mg/L.
Folicur. Active ingredient. Tebuconazole (250 g/L)-Concentration for application 5 mL concentrate per liter praying liquid (aqueous) – Concentration of active ingredient for spraying liquid: 1250 mg/L.
Amistar. Active ingredient. Azoxystrobin (250 g/L)-Concentration for application 5 mL concentrate per liter praying liquid (aqueous) – Concentration of active ingredient for spraying liquid: 1250 mg/L.
Pirimor Granulat. Active ingredient. Piricarb (500 g/kg)-Concentration for application 1,5 g concentrate per liter praying liquid (aqueous) – Concentration of active ingredient for spraying liquid: 750 mg/L.
U 46 D-fluid. Active ingredient. 2.4-D-DMA-Salt (500 g/L)-Concentration for application 5 mL concentrate per liter praying liquid (aqueous) – Concentration of active ingredient for spraying liquid: 2400 mg/L.

Performance of whole suit		
Test	**Requirement**	**Result /Class/Conformity**
Resistance to liquid penetration - Spray test Tipo 4 (EN ISO 17491-4 met. A – EN 14605)		Pass
Resistance to liquid penetration - Spray test Tipo 6 (EN ISO 17491-4 met. A – EN 13034)		Pass
Resistance to aerosol penetration - Inward leakage Tipo 5 (EN ISO 13982-2 – EN ISO 13982)	$IL_{90/90} \leq 30\%$, $TILS_{8/10} \leq 15\%$	Pass
Nominal protection factor (EN ISO 13982-2 – EN 1073-2)	TIL_{in} % 3, TIL_{in} % 2, Fpn 50	Class 2
Seams: permeation by liquids (EN ISO 6529 - EN14605)	Class 1: > 10 min	H_2SO_4 30% : Class 1
Seams: strength (EN ISO 13935-2)	Class 4: > 125 N	Class 4
Performance of fabric		
Test	**Requirement**	**Result /Class/Conformity**
Resistance to penetration to liquid (EN ISO 6530 – EN 13034)	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 – EN 13034)	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 3
Abrasion Resistance (EN 530 - method 2)	Class 3: > 500 cycles	Class 3
Trapezoidal tear resistance (EN ISO 9073-4)	Class 2: > 20 N	Class 2
Tensile strength (EN ISO 13934-1)	Class 1: > 30 N	Class 1
Puncture resistance (EN 863 - EN 13034)	Class 2: > 10 N	Class 2
Flex cracking resistance (EN 7854)	Class 6: > 100 000 c.	Class 6
Permeation by liquids (EN ISO 6529 - EN 14605)	Class 1: > 10 min	H_2SO_4 30% : Class 1
Electric surface resistance (ANSI/ESD STM 2.1:2013 – test condition EN 1149-1)	$\leq 2.5 \times 10^9$	Pass
EN 14126:2003		
Test	**Requirement**	**Result /Class/Conformity**
Resistance to penetration by blood-borne phatogens - phi-x174 bacteriophage test - ISO 16603/16604	Class 6: 20 kPa	Class 6
Resistance to penetration by Agentes Infecciosos due to mechanical contact with substances containing contaminated liquids - ISO 22610 (test microorganism: staphylococcus aureus)	Class 6: t > 75	Class 6
Resistance to penetration by contaminated liquid aerosols - ISO DIS 22611 (test microorganism: staphylococcus aureus)	Class 3: log > 5	Class 3
Resistance to penetration by contaminated solid particles - EN ISO 22612 (test microorganism: spores of Bacillus subtilis)	Class 3: ≤ 1	Class 3
EN ISO 13688:2013		
Test	**Requirement**	**Result /Class/Conformity**
pH (EN 340 – ISO 3071)	3.5 > pH > 9.5	Pass

Classification according to EN 14325

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