Specification Sheet

chemsplash
Jet Spray 88

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Jet Spray 88 Coverall

Type 3B/4B/5B/6B

Style Code: **2727**

The Chemsplash Jet Spray 88 Type 3B/4B/5B/6B Coverall is highly resistant against Chemical permeation. Made from a thick 88 GSM heavy weight Polypropylene / Polyethylene multilayer laminated material, it is also tested to provide protection against Biological Hazards to EN14126, protecting again Viruses, Bacteria and Blood borne pathogens and also protects against Particulate Radioactive contamination (level 2) to EN1073-2.

Features

- 88GSM Heavyweight Microporous Non Woven Fabric
- Ultrasonically Tape Welded Seams
- Self Adhesive Chin Strap for Optimum Protection
- Elasticated Hood, Half Waist, Cuffs and Ankles
- Convenient Thumb Loops at Wrist
- Single-Way Zip with Bi-Folding Self Adhesive Flap
- Silicone & Latex Free
- Non Linting Fabric
- Anti-Static

Suitable Applications

Liquid Chemical Handling
Contamination Control
Medical
Emergency Response
Maintenance work at Nuclear Facilities
Biological Protection

Colours Available

Yellow

Available with **Feet Attached**, Style Code **2617**

STERILE IRRADIATED

Sterile Irradiated Version available on request

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

EN14605 TYPE 3B

EN14605 TYPE 4B

EN13982-1 TYPE 5B

EN13034 TYPE 6B

EN1149-5:2018 Anti-static

EN1073-2 Nuclear Particles Class 1

EN14126 Infective Agents

EN

Performance of whole suit		
Test	Requirement	Result /Class/Conformity
Jet test (type 3) EN ISO 17491-3		Pass
Spray test (type 4) EN ISO 17491-4 – met. B		Pass
Aerosol penetration (type 5)	$IL_{82/90} \leq 30\%$, $TILS_{8/10} \leq 15\%$	Pass
Seams tensile strength (EN ISO 13935-2) - 4017	Class 4 > 75 N	4
Seams tensile strength (EN ISO 13935-2) - 4018	Class 4 > 75 N	4
pH	6.3	Pass

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 3 Butan-1-ol: class 3
Abrasion Resistance (EN 530 - method 2)	Class 6: > 2000 cycles	Class 6
Trapezoidal tear resistance (EN ISO 9073-4 – EN 1073-2)	Class 3: > 20 N	Class 3
Trapezoidal tear resistance (EN ISO 9073-4)	Class 2 > 10 N	Class 2
Tensile strength (EN ISO 13934-1)	Class 2 > 60 N	Class 2
Puncture resistance (EN 863)	Class 2: > 10 N	Class 2
Flex cracking resistance (EN 7854)	Class 6: > 100 000 c.	Class 6
Blocking resistance (EN 25978 - EN 1073-2)		Pass
Electric surface resistance (ANSI/ESD STM 2.1:2013 – test condition EN 1149-1)	< 1,3 x10$^{8}\Omega$	Pass

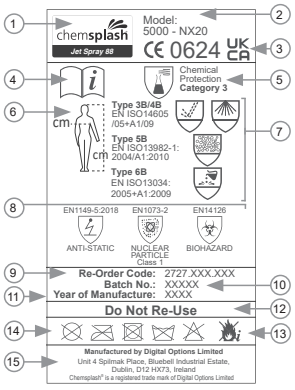
EN 14126:2003		
Test	Requirement	Result /Class/Conformity
Resistance to penetration by blood-borne pathogens - phi-x174 bacteriophage test - ISO 16603/16604	Class 6: 20 kPa	Class 6
Resistance to penetration by infective agents due to mechanical contact with substances containing contaminated liquids - ISO 22610 (test microorganism: staphylococcus aureus)	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

PERMEATION DATA					
Tests performed according to ISO 6529: 2013 Method A					
CHEMICAL	CAS NO	PHY STATE		Breakthrough Time at 150µg/cm2	CLASS**
Phosphoric Acid 85%	7664-38-2	Liquid	Fabric	>480 minutes	6
Acetic Acid 10%	64-19-7	Liquid	Fabric	>480 minutes	6

EN Classification according to EN 14325:2018

MORE CHEMICAL TESTS AVAILABLE UPON REQUEST



Garment Inside Label Markings

1. Model Name – Chemsplash Jet Spray 88
2. Model Identification - Model 5000 - NX20
3. CE Marking – coverall complies with requirements for category III personal protective equipment according to European legislation. Type-test & certification was issued by Centrocot Tessile Cotoniero, 21052 Busto Arsizi (VA), P.ZZA Sant'Anna, 2, Italy
4. Indicates wearer should read the instructions for use
5. Indicates compliance with European Standards for chemical protective clothing
6. Sizing pictogram indicates to fit body measurements in sizes & correlation to letter code. Select the size to fit your body measurements
7. Full body protection "types" achieved by this coverall - defined by the European standards for chemical protective clothing:
   - EN 14605:2005 (Type 3B & 4B)
   - EN ISO 13982-1:2004+A1:2010 (Type 5B)
   - EN 13034:2005+A1:2009 (Type 6B)
8. Safety Standards:
   - Antistatic Protection (EN1149-5:2018)
   - Radioactive Contamination Protection (EN 1073-2:2002)
   - Protection Against Infective Agents (EN 14126:2003+AC:2004)
9. Re-Order Code
10. Batch Number
11. Year of manufacture
12. Do not re-use
13. Flammable material – keep away from fire
14. International care symbols:
15. Manufacturer's Name and Address

Sizes in cm - in compliance with EN340						
Size	S	M	L	XL	2XL	3XL
Height	160-165	163-168	167-172	173-178	176-181	185-190
Chest	89-93	93-98	101-106	108-114	116-122	124-130

Limitations

Exposition to certain chemicals or high concentrations may require higher barrier properties, either in terms of the performances of material or in the construction of the suit. Such areas can be protected by garments in type 1 to type 2. The user shall be the sole judge of the suitability for the type of protection required and the corrected combinations of coveralls and additional equipment.

Warnings

- Do not use if any defects are noticed (e.g. seam defects, faulty zip)
- Select the correct garment size
- Dressing correctly with a closed zip protected by the flap
- If necessary use additional devices with same characteristics (such as gloves, breathing apparatus, boots etc.) in order to provide for full body protection
- Coverall meets Ljmn, 82/90 ≤ 30% - Ls 8/10 ≤ 15%
- Wear for long periods of time can cause heat stress
- Heat stress and discomfort can be reduced or eliminated by using appropriate undergarments or suitable ventilation equipment

- In case of airborne solid particulates it is advisable to cover the zipper and to surround the extremity of the sleeves and the leggings with adhesive ribbon
- Coveralls are for single use only and must be disposed after any job
- If any breaking, punctures etc. occur, leave the working area and wear new coverall
- The person wearing the electrostatic dissipative protective clothing shall be properly earthed. The resistance between the person and the earth shall be less than 108 Ω e.g. by wearing adequate footwear
- Electrostatic dissipative protective clothing shall not be open or removed whilst in presence of flammable or explosive atmospheres or while handling flammable or explosive substances
- Electrostatic dissipative protective clothing shall not be used in oxygen enriched atmospheres without prior approval of responsible safety engineer

How to wear protective clothing

Remove the coveralls from its packaging, open the central zipper and wear. Fully close the zipper. In case of airborne solid particulates risk it is advisable to tape the zipper and protective gloves, tape the extremity of the sleeves and the leggings with adhesive ribbon, making sure that the sleeve covers the glove opening.

Storage and disposal

Garments can be stored in the original packaging in a dry place away from heat sources. Garments can be disposed of without harm to the environment. Restrictions to disposal result only from contamination during use. In this case dispose in compliance with applicable laws and regulations.

Donning and doffing

Take the coverall out of it's bag and give it a good shake to loosen it out. Remove your footwear. Lower the zip on the coverall so that both stoppers are at the bottom of the zip. Pull the coverall on, legs first. Pull it up over you arms and shoulders. Do not zip it up. Do a squat or sit action to expel any air from the suit. Zip the coverall up to the desired length using the top stopper only and then lock the stopper in place by clicking it downwards into the zip. Remove the adhesive tape strip & firmly stick down the adhesive flap over the zip. Replace your footwear.

Declaration of Conformity available at:
www.chemsplash.com