Specification Sheet

chemsplash
Xtreme SMS 55 AS HV

chemsplash

NEW

Xtreme SMS 55 AS HV Coverall With HI VIS Tape

Type 5/6

Style Code: **2526**

The Chemsplash Xtreme SMS 55 with Hi-Vis Tape Coverall is made from a breathable SMS fabric with strong antistatic treatment EN 1149-5:2018 and good mechanical strength. It provides EN 1073-2 protection against radioactive contamination. It also meets CAT III Type 5 & 6.

This coverall has an elasticated hood, ankles, back, and cuffs. There is a two-way zip front with an adhesive storm flap to secure over the zip with a serged seam, as well as Hi Vis Tape To European/UK Standard.

This coverall offers protection and comfort for users of particulates and low hazardous limited light liquid chemical splashes.

EN ISO 13982-1: 2004+A1:2010

Type 5

EN 13034: 2005+A1:2009

Type 6

EN1149-5:2018

Anti-static

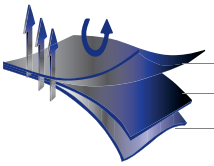
EN 1073-2:2002

Nuclear Particle Class 1

EN 17353:2020

Type B3 Night use

Hi Vis Tape to EN ISO 20471 Standard



Features

- 55 GSM Breathable SMS Fabric
- Hi Vis Tape To European/UK Standard
- Anti Static Protection
- Elasticated Hood, Cuffs, Back & Ankles
- Two Way Zip Front
- Adhesive Zip Storm Flap
- Serged Seam
- Silicone & Latex Free
- Does not contain: PFAS, RoHS, POP, TSCA or any Conflict Materials
- Complies with REACH Regulation (EC) 1907/2006 (+ SVHC list and Annex XVII)

Suitable Applications

- Oil and Petrochemical
- Utilities Contractors
- Asbestos related work
- Handling Powders
- Construction
- Cleanup and Remediation
- General Maintenance

Colours Available

Orange

Packaging

x1 Unit	x25 Units/ Carton	x800 Units/ Euro Pallet	x1100 Units/ Standard Pallet

Sizes in CMs

in compliance with EN ISO 13688

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

Style Code	Size	Carton (LxWxH) cm	Carton Weight	Product Barcode	Carton Barcode	Commodity Code
2526.450.004	S	42 x 32 x 40	4.3 kgs	5391543668679	05391543668686	6210109800
2526.450.005	M	42 x 32 x 40	4.6 kgs	5391543668693	05391543668709	6210109800
2526.450.006	L	42 x 32 x 40	4.9 kgs	5391543668716	05391543668723	6210109800
2526.450.007	XL	42 x 32 x 40	5.2 kgs	5391543668730	05391543668747	6210109800
2526.450.008	2XL	42 x 32 x 40	5.5 kgs	5391543668815	05391543668822	6210109800
2526.450.009	3XL	42 x 32 x 40	5.8 kgs	5391543668839	05391543668846	6210109800

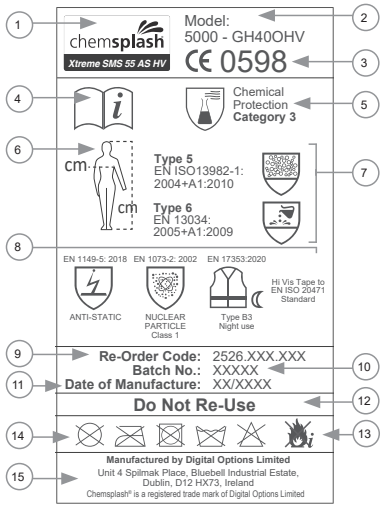
EN

Performance of whole suit		
Test	Requirement	Result /Class/Conformity
Resistance to liquid penetration - Spray test type 6 (EN ISO 17491-4 met. A – EN 13034)		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 – EN 1073-2)	TIL_E% 30, TIL_A% 20, Fpn 5	Class 1
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 – EN 13034)	Class 3: < 1% Class 2: < 5% Class 1: < 10%	H_2SO_4 30%: class 3 NaOH 10%: class 3 o-xilene: n.c. Butan-1-ol: n.c.
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: n.c. Butan-1-ol: n.c.
Abrasion Resistance (EN 530 - method 2)	Class 5 > 1500 cycles	Class 5
Trapezoidal tear resistance (EN ISO 9073-4)	Class 2 > 20 N	Class 2
Tensile strength (EN ISO 13934-1)	Class 2 > 60 N	Class 2
Puncture resistance (EN 863 - EN 13034)	Class 2 > 10 N	Class 2
Flex cracking resistance (EN 7854)	Class 6 > 100 000 c.	Class 6
Electric surface resistance (ANSI/ESD STM 2.1:2013 – test condition EN 1149-1)	$\leq 2.5 \times 10^9$	Pass

EN ISO 13688:2013 + A1:2021		
Test	Requirement	Result /Class/Conformity
pH (EN ISO 13688 – ISO 3071)	3.5 > pH > 9.5	Pass
Amines (EN ISO 13688 – ISO 3071)		Pass

Classification according to EN 14325



Garment Inside Label Markings

1. Model Name – Chemsplash Xtreme SMS 55 AS HV
2. Model Identification – Model 5000-GH40OHV
3. CE Marking – coverall complies with requirements for category III personal protective equipment according to European legislation. Type-test & certification was issued by SGS FIMKO OY; Takomotie 8, FI-00380 Helsinki, Finland.
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 ISO 13982-1:2004+A1:2010 (Type 5)
   EN 13034:2005+A1:2009 (Type 6)
8. Safety Standards:
   - Antistatic Protection (EN1149-5:2018)
   - Radioactive Contamination Protection (EN 1073-2:2002)
   - Improved visibility equipment for medium risk situations - B3 (EN 17353:2020)
   - Reflective Tape (EN ISO 20471:2013+A1:2016)
9. Re-Order Code
10. Batch Number
11. Date of manufacture
12. Do not re-use
13. Flammable material – keep away from fire
14. International care symbols:
    Do Not Dry Clean Do Not Iron Do Not Tumble Dry Do Not Wash Do Not Bleach
15. Manufacturers name and Address

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 is 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 10^8 Ω e.g. by wearing adequate footwear on dissipative or conductive floors;
- 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, or in Zone 0 (see EN 60079-10-1 [7]) without prior approval of the responsible safety engineer;
- The electrostatic dissipative performance of the electrostatic dissipative protective clothing can be affected by wear and tear, laundering and possible contamination;
- The electrostatic dissipative protective clothing shall be worn in such a way that it permanently covers all non-complying materials during normal use (including bending movements);
- The electrostatic dissipative protective clothing is intended to be worn in Zones 1, 2, 20, 21 and 22 (see EN 60079-10-1 [7] and EN 60079-10-2 [8]) in which the minimum ignition energy of any explosive atmosphere is not less than 0,016 mJ.

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 must be stored in their original packaging in a dark, dry and cool place. Ideally at temperatures between -5 and 40 degrees centigrade.

Garments should be disposed of without harm to the environment. Restrictions to disposal may result from contamination during use. In this case please dispose of 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. Firmly press down the adhesive tape then remove the strip, make sure the sticky part is left behind. Now press the adhesive flap over the zip and close the flap. Replace your footwear.

Shelf-life
Chemsplash Cat 111-Type 3, 4, 5 & 6 Coveralls and related Partial Body accessories are generally constructed from inert polymers that are not materially impacted by normal storage conditions. In unopened bags and cartons and in such conditions (-5°C to 40° C, dry and away from direct light) the expected shelf life can be approximately 10 years. Some discoloration of fabrics may occur over time,but this usually results from seepage of dyes and does not impact fabric performance.
On occasion particular properties of some fabrics may alter over time. In particular anti-static properties result from a topical treatment which will degrade over time and in use.
It is crucial that all garments, regardless of age, but especially after a longer shelf life, are thoroughly checked for degradation or wear before use. Do not use any garment that appears inferior. It is always the end user's responsibility to ensure any garment is fit for purpose.

Declaration of Conformity available at:
www.chemsplash.com

CE guarantees the free circulation of products and goods within the European Union. CE-Marked product complies with the essential requirements of the European Regulation (EU) 2016/425.