



chemsplash®

Eka 55 Coverall

Type 5B/6B

Style Code: **2511**

The Chemsplash Eka 55 Coverall is made from 55GSM microporous laminated fabric. It offers users a better value laminated Cat III Type 5/6 coverall for those applications where the suit isn't used for prolonged periods but where a high level of protection to liquid chemical splashes is still required.

This suit has an elasticated back, hood, cuffs & ankles, and an adhesive cover flap for additional sealing.

Chemsplash Eka 55 fabric is Anti-Static to EN1149-5:2018 and non-linting, therefore ideal for use in wide ranging applications where the operating environment must not be contaminated with garment fibres.

Features

- 55GSM Microporous Laminate Fabric
- Elasticated 3 piece Hood & Back
- Elasticated Cuffs
- Two Way Zip
- Adhesive Zip Flap
- Elasticated Ankles
- Silicone & Latex Free
- Non Linting Fabric
- Anti-Static

Suitable Applications


Pharmaceutical Industries
Agriculture
Cleanrooms
Medical

General Paint Spraying
Crime Scene Investigation
Veterinary Services

Colours Available

White

Available with **Feet Attached**,
Style Code **2626**

 Sterile Irradiated Version:
Code: **2765**

4XL Code: 2758
5XL Code: 2757
6XL Code: 2756

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
4XL	194-199	131-139
5XL	203-208	143-146
6XL	211-216	147-155

EN13982-1



TYPE 5B

EN13034



TYPE 6B

EN 1149-5:2018



Anti-static

EN14126



Infective
Agents

EN1073-2

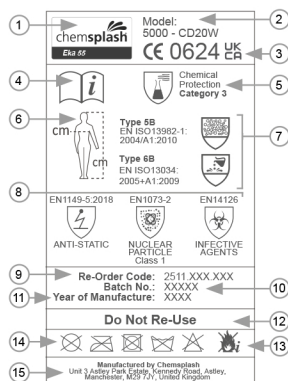


NUCLEAR
PARTICLE
Class 1



Performance of whole suit		Result /Class/ Conformity								
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)	$IL_{2500} \leq 30\%$, $TILS_{910} \leq 15\%$	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%	<table><tr><td>H₂SO₄ 30%</td><td>class 3</td></tr><tr><td>NaOH 10%</td><td>class 3</td></tr><tr><td>o-xylene</td><td>class 3</td></tr><tr><td>Butan-1-ol</td><td>class 3</td></tr></table>	H ₂ SO ₄ 30%	class 3	NaOH 10%	class 3	o-xylene	class 3	Butan-1-ol	class 3
H ₂ SO ₄ 30%	class 3									
NaOH 10%	class 3									
o-xylene	class 3									
Butan-1-ol	class 3									
Repellency to liquid (EN ISO 6530 – EN 13034)	Class 3: > 95% Class 2: > 90% Class 1: > 80	<table><tr><td>H₂SO₄ 30%</td><td>class 3</td></tr><tr><td>NaOH 10%</td><td>class 3</td></tr><tr><td>o-xylene</td><td>class 2</td></tr><tr><td>Butan-1-ol</td><td>class 3</td></tr></table>	H ₂ SO ₄ 30%	class 3	NaOH 10%	class 3	o-xylene	class 2	Butan-1-ol	class 3
H ₂ SO ₄ 30%	class 3									
NaOH 10%	class 3									
o-xylene	class 2									
Butan-1-ol	class 3									
Abrasion Resistance (EN 530 - method 2)	Class 2 > 100 cycles	Class 2								
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								
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								
Bursting strength (13938-1)	Class 3: >180 kPa	Class 1								
Resistance to penetration by blood-borne pathogens - phi-x174 bacteriophage test - ISO 16603/16604	Class 4: 7 kPa	Class 4								
Resistance to penetration by infective agents due to mechanical contact with substances containing contaminated liquids - ISO 22610 (test microorganism: staphylococcus aureus)	Class 1: ≤ 15 min	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



Garment Inside Label Markings

- Model Name – Chemsplash Eka 55
- Model Identification – Model 5000-CD20W
- CE Marking – overall complies with requirements for category III personal protective equipment according to European legislation. Type-test & certification was issued by Centrocot Tessile Coloniero, 21052 Busto Arsizio (VA), P.ZZA Sant'Anna, 2, Italy
- Indicates wearer should read the instructions for use
- Indicates compliance with European Standards for chemical protective clothing
- Sizing pictogram indicates to fit body measurements in sizes & correlation to letter code. Select the size to fit your body measurements
- Full body protection "types" achieved by this overall defined by the European standards for chemical protective clothing:
EN ISO 13982-1:2004+A1:2010 (Type 5B)
EN 13034:2005+A1:2009 (Type 6B)
- Safety Standards:
 - Antistatic Protection (EN1149-5:2018)
 - Radioactive Contamination Protection (EN 1073-2:2002)
 - Protection Against Infective Agents (EN 14126:2003+AC:2004)
- Re-Order Code
- Batch Number
- Year of manufacture
- Do not re-use
- Flammable material – keep away from fire
- International care symbols:
 - Do Not Dry Clean
 - Do Not Iron
 - Do Not Tumble Dry
 - Do Not Wash
 - Do Not Bleach
- Manufacturers name and Address

Sizes in cm - in compliance with EN340								
Size	S	M	L	XL	2XL	3XL	4XL	5XL
Height	160-165	163-168	167-172	173-178	176-181	185-190	194-199	203-208
Chest	89-93	93-98	101-106	108-114	116-122	124-130	131-139	143-146

Limitations

Exposition to certain chemicals or high concentrations may require higher barrier properties, either in terms of the performance 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 some characteristics (such as gloves, breathing apparatus, boots etc.) in order to provide for full body protection
- Coverall meets L_{pm} 8290 $\leq 30\%$ - L_s 810 $\leq 15\%$
- 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
- Coverall is for single use only and must be disposed after any job
- If any breaking, punctures etc. occur, leave the working area and wear new overall
- The person wearing the electrostatic dissipative protective clothing shall be properly earthed. The resistance between the person and the earth shall be less than $10^9 \Omega$ 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 its 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 your 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