CFPR180

# MaxRepel+

## TYPE 4, 5, 6
## DISPOSABLE COVERALL

DESIGNED TO PROTECT FORCE 360

### Features

- 65gsm Microporous fabric combines excellent tensile strength with good breathability
- Conveniently unzips from the neck or waist with the two way zipper
- Bat wing design facilitates improved comfort and upper body movement
- Generous crotch design allows for easier squatting and ladder climbing
- High-Visibility trim for increased visual awareness
- Thumb loops prevent sleeves riding up when arms are elevated
- Two layer folded stick down flap protects the zip from liquids and particle ingress
- 3 piece hood provides additional comfort and head movement over traditional design
- Bound seams provide strength and high levels of barrier protection

### Standards & Certification

**Category III PPE** according to Regulation (EU) 2016/425

CE 0624

Manufactured under license with EC Type Examination
Issued by- Centro Tessile Cotoniero e Abbigliamento
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Notified Body Number - 0624

| SPRAY TIGHT PROTECTIVE COVERALLS | PARTICLE TIGHT PROTECTIVE COVERALLS | LIMITED SPRAY TIGHT PROTECTIVE COVERALLS | PROTECTIVE COVERALLS WITH ANTI-STATIC PROPERTIES | PROTECTIVE COVERALLS AGAINST INFECTIOUS AGENTS | NUCLEAR PARTICLE |
|---|---|---|---|---|---|
| 4 | 5 | 6 | | | |
| EN14605:2005 +A1:2009 Type 4B | EN ISO 13982-1:2004 +A1:2010 Type 5B | EN13034:2005 +A1:2009 Type 6B | EN1149-5:2008 | EN14126:2003 AC:2004 | EN1073-2:2002 Class 1 |

- Effective splash barrier from blood, body fluid and other infectious agents
- Direct virus and bacteria penetration protection
- Particle tight protection including asbestos, silica, and hazardous particles to 0.6um
- Liquid spray tight to protect from light sprays of hazardous liquids
- Anti-static treatment to EN 1149 to reduce charge build up
- Resists ignition and flammability under EN 13274 -4
- Provides a barrier to radioactive contaminated particles to level 1 under EN 1073:2002

### Specifications

| | |
|---|---|
| **Part No.** | CFPR180 |
| **Colour** | White |
| **Material** | Microporous |

### Sizing & Fit

**Available Sizes**
S, M, L, XL, 2XL, 3XL, 4XL

### Packaging

1 50

*To request a sample or further technical advice please contact sales@force360.com.au*

# CFPR180

## Performance Profile of MaxRepel+ Fabric

| Physical Data | Test Method | Result | Class |
|---|---|---|---|
| Abrasion Resistance | EN530 method 2 | >1,500 cycles | 5/6 |
| Puncture Resistance | EN863 | 11.4N | 2/6 |
| Flex Cracking | EN ISO 7854 method B | >100,000 cycles | 6/6 |
| Tensile Strength | EN ISO 13934-1:2013 | 60N weft | 2/6 |
| | | 110N warp | 2/6 |
| Trapezoidal Tear | EN ISO 9073-4 | 32.8N weft | 3/6 |
| | | 57.9N warp | 3/6 |
| pH Value | EN ISO 3071:2006<br>EN ISO 13688 | 3.5 > pH > 9.5 | Pass |
| Electric Surface Resistance | ANSI/ESD STM 2.1:2013 - test condition EN1149-1 | ≤ 2.5 x$10^9$ | Pass |
| Ignition and flammability | (EN13274-4 - EN1073-2) | Pass | |
| Blocking Resistance | EN25978 - EN1073-2 | Pass | |
| Amines | EN ISO 13688 - ISO 3071 | Pass | |

## Penetration and Repellency by Liquid in Accordance with UNI EN ISO 6530:2005+ UNI EN 14325:2005

| Physical Data | Test Method | Repellency | Class | Penetration | Class |
|---|---|---|---|---|---|
| $H_2SO_4$ (Sulphuric acid) 30% | EN14325 -<br>EN ISO 6530 | >95% | Class 3 | <1% | Class 3 |
| NaOH (Sodium hydroxide) 10% | EN14325 -<br>EN ISO 6530 | >95% | Class 3 | <1% | Class 3 |
| o-xylene | EN14325 -<br>EN ISO 6530 | >90% | Class 2 | <1% | Class 3 |
| Butan 1 ol | EN14325 -<br>EN ISO 6530 | >95% | Class 3 | <1% | Class 3 |

| Physical Data | Test Method | Result | Class |
|---|---|---|---|
| Resistance to penetration by bloodborne pathogens - phi-x174 bacteriophage test | ISO 16603/16604 | - | 6/6 |
| Resistance to penetration by infective agents due to mechanical contact with substances containing contaminated liquids | ISO 22610<br>(test microorganism: staphylococcus aureus) | - | 6/6 |
| Resistance to penetration by contaminated liquid aerosols | ISO DIS 22611<br>(test microorganism: staphylococcus aureus) | - | 3/3 |
| Resistance to penetration by contaminated solid particles | EN ISO 22612<br>(test microorganism:<br>spores of Bacilius subtilis) | - | 3/3 |
| Permeation by liquids | EN ISO 6529 - EN 14605 | $H_2SO_4$ 30% - Class 1<br>NaOH 10% - Class 1 | - |

## Performance Profile of MaxRepel+ on Whole Suit

| Physical Data | Test Method | Result | Class |
|---|---|---|---|
| Tensile Strength on Seam | EN ISO 13935-2 | 97N | 3/6 |
| Nominal Protection Factor | EN ISO 13982-2 - EN 1073-2 | | Class 1 |
| Resistance to Aerosol Penetration Inward Leakage Type 5 | EN ISO 13982-2 -<br>EN ISO 13982 | Ljmn ≤ 30%<br>L s 8/10 ≤ 15% | Pass |
| Resistance to Liquid Penetration Spray Test Type 6 | EN ISO 17491-4 met. A - EN13034 | | Pass |

## Industries & Applications

- First Responders & Emergency Services
- Medical & laboratory environments
- Pharmaceutical
- Demolition and construction
- Stone cutting
- Insulation and fiberglass work
- Hazardous liquid handling and spraying
- Waste management
- Industrial cleaning & maintenance
- Painting
- Agricultural and pesticide spraying
- Cleanroom operations & sensitive component assembly

## Instructions For Use

Refer to the User Insert Sheet included with the Coverall for full user instructions

## Shelf life

Five years from date of manufacture

## Storage

Do not store in direct sunlight, or in environments above 21°C and above 80% humidity.

## Disposal

Worn coveralls should be disposed of in accordance to the containment they have been exposed to, and in accordance with local regulations.

## Cleaning

Single use garment. Do not reuse


Do not iron


Do not wash


Do not clean


Do not machine dry


Do not dry clean