

# COMPOSITE INDUSTRY



MOLDING









MACHINING



CLEANING

Composite materials, made from fibres impregnated with resins, are used in a wide range of sectors, including aeronautics, marine, automotive, rail, furniture and swimming pools. Polymerisation and cutting of these materials present major occupational risks: chemical exposure to resin components, fibre dust (carbon, glass), aerosols and vapours of toxic organic compounds (styrene, acetone). All processes are at risk: moulding, impregnation, machining, cleaning, preparation of mixtures and waste storage. We offer a complete range of suits to protect against aerosols, liquids and solid particles.

RISKY STAGES				
MOLDING	<b>Manual application</b> The resin is applied to the mould by hand using a roller or brush.	✓	✓	✓
	<b>Convergent spray application (FIT)</b> This method uses spray guns with two nozzles close together. This process limits the formation of fine aerosols.	✓	✓	✓
	<b>Non-atomised spray application (low pressure)</b> This method uses a multiple-jet nozzle at low pressure. This process limits the formation of fine aerosols.	✗	✓	✓
	<b>Spray application - conventional method (atomised)</b> Gun with a single nozzle that can withstand high pressures. This process produces very fine aerosols.	✗	✗	✓
Emissions of styrene (an aromatic hydrocarbon) are particularly high during the spraying phase.				
MATERIAL MACHINING	All the finishing phases (sanding, trimming, deburring, drilling, routing) give off intense mists of polymer dust. This dust is irritating when it comes into contact with the skin.	✓	✓	✓
CLEANING	The cleaning of tools and work equipment involves a risk when handling solvents such as acetone.	✓	✓	✗
PREPARATION OF MIXTURES	Preparing the mixes involves the risk of spraying resin, catalysts and colbat salts.	✓	✓	✗

## ADDITIONAL RISK: STATIC ELECTRICITY DISCHARGE

Static electricity can be generated when handling weakly conductive products such as resins and glass fibres. Friction, contact or separation generate static electricity which, if not evacuated by an appropriate earthing system, can discharge spontaneously, creating a high-voltage spark. The **WeePro** and **WeeBack** ranges are protected by an antistatic treatment on both sides of the garment.



## Type 5/6 coverall

Protection for low-pressure spray and roller applications. The self-adhesive flap offers complete protection on the most exposed part of the body during the moulding phases. Its ergonomic design ensures optimum comfort throughout the lamination process.



REFERENCE	SIZE
WL-P-01	S
WL-P-02	M
WL-P-03	L
WL-P-04	XL
WL-P-05	XXL
WL-P-06	XXXL

- Antistatic treatment on both sides (internal and external)
- Zipper with self-adhesive flap
- 3-piece hood for a perfect fit to the protective mask
- Jersey cuff which ideally replaces the tightening elastic
- Breathable material for more comfort
- Collar version also available

## Type 5/6 coverall

Optimum protection and comfort. Covered seams protect against aerosols (moulding), liquid splashes (cleaning) and dust mists (machining). The ventilated back releases heat accumulated in the garment.



REFERENCE	SIZE
WL-B-01	S
WL-B-02	M
WL-B-03	L
WL-B-04	XL
WL-B-05	XXL
WL-B-06	XXXL

- Antistatic treatment on both sides (internal and external)
- Zipper with self-adhesive flap
- Waterproof covered seams
- 3-piece hood for a perfect fit to the protective mask
- Jersey cuff which ideally replaces the tightening elastic
- Ventilated back for more comfort
- Ease triangle reinforcing the crotch



## Type 4B/5B/6B coverall

Protection against sprays in the form of aerosols and low concentration chemicals. Its taped seams and self-adhesive flap offer complete protection against the finest aerosols during the moulding process.



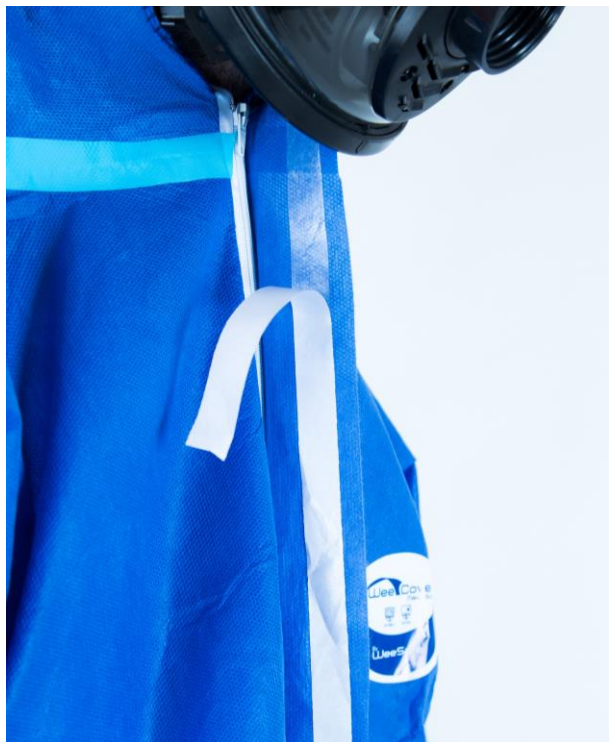
REFERENCE	SIZE
WL-PMP-02	M
WL-PMP-03	L
WL-PMP-04	XL
WL-PMP-05	XXL
WL-PMP-06	XXXL

- Antistatic treatment on both sides (internal and external)
- Zipper with self-adhesive flap
- Waterproof heat-sealed seams
- 3-piece hood for a perfect fit to the protective mask
- Elasticated thumb loop for junction with gloves
- Breathable material for greater comfort



### Type 5/6 coverall

Protection against intense dust during sanding, trimming, deburring, drilling and routing. Its taped seams and self-adhesive flap offer complete protection against various types of glass or carbon fibre dust. Fully breathable for optimum comfort.



REFERENCE	SIZE
WL-C1B-02	M
WL-C1B-03	L
WL-C1B-04	XL
WL-C1B-05	XXL
WL-C1B-06	XXXL
WL-C1B-07	4XL

- Zipper with self-adhesive flap
- Waterproof, heat-sealed seams
- 3-piece hood for a perfect fit to the protective mask
- Ultra-breathable material
- Blue color hides dirt

## Type PB 6 sleeve

Protects the most exposed area of the body during manual or spray moulding work. It offers double protection against increased splashes and can also be used for manual touch-up work using a brush.



REFERENCE	SIZE
WL-ME-00	Unique

- Tightening elastics at the wrist and elbow
- Edged seams on the elastics to limit lint and contamination
- Length 50 cm
- Lint-free material to avoid contamination in controlled areas
- Antistatic treated material on both sides to facilitate the dissipation of electrostatic charges

# UNDRESSING, A RISKY MOMENT

When short-use protective suits are used, there is a high risk of contamination during the operation and when undressing.

The wearer must carefully adjust the suit at the hood, wrists and ankles. When undressing, a strict procedure must be followed to avoid any contact with the outside of the suit.



Medicom SAS, Boulevard de la Chanterie, 49124 Saint-Barthélemy-d'Anjou | France

+33 (0) 241 963 434

[www.medicom-eu.com](http://www.medicom-eu.com)

[sales.support.pro.eu@medicom.com](mailto:sales.support.pro.eu@medicom.com)