

# EXOSKIN<sup>®</sup> SUITS

LOW-BURDEN, HIGH PERFORMANCE CBRN SUITS

## What were your key considerations in the development of Avon's EXOSKIN suits?

Avon Protection's core objective is to protect life. We have designed the suit with the user at the forefront of our mind, leveraging real knowledge and design iterations following user feedback. Avon's EXOSKIN-S1 and EXOSKIN-S2 suits offer a fully integrated ensemble that delivers the highest chemical, biological and antiviral protection levels combined with advanced wearer comfort and maximum protection.

## How does EXOSKIN-S2 differ to EXOSKIN-S1?

EXOSKIN-S1: provides the lightest, lowest burden PPE for CBRN protection. The lightweight, highly breathable, and comfortable suit is designed for users to operate at maximum efficiency, even in hot, humid environments.

EXOSKIN-S2: offers the users an increased level of protection without compromising on comfort. The slightly heavier ACF offers enhanced protection levels and includes an addition aerosol barrier to specifically target contamination in the 1-3 micron range. The EXOSKIN-S2 is the optimal solution when there is an increased risk of airborne particulates or droplets.

## How many sizes and variations are there?

EXOSKIN-S1 and EXOSKIN-S2 are available in either ¼ zip or full zip jacket configurations, provided as a suit system with common trousers. We offer multiple sizes ranging from S-3XL in short, regular and long variants.

## What is the key difference between air permeable type suits and semi permeable suits?

Class C air permeable type suits are designed to be breathable and less burdensome on the user. Semi Permeable Membrane (SPM) garments are extremely hot by comparison. Whilst they can protect for 24 hours at a higher-level, working in one for 24 hours would be very difficult.

## How is Activated Carbon Fabric (ACF) different from spherical carbon beads?

Activated carbon fabric gives the garment its lightweight and breathable properties as it is conventionally lighter than spherical carbon beads. ACF is more flexible and can be shaped, allowing it to be integrated into the suit's design without compromising mobility for the user. ACF has the added advantage compared to spherical carbon suits that no matter the degree of user activity, the fabric will not shed carbon. This enhances user comfort but more importantly ensures the inner layer will not lose effectiveness or thin in high crease areas over time which can create exposure pathways.

## What is the minimum order quantity for EXOSKIN-S1 and EXOSKIN-S2?

For colours and patterns within our standard commercial-off-the-shelf range, there is no minimum order quantity. For special colours and patterns that are made upon request, there is a minimum order quantity of 750.



*Continued overleaf...*

## What are the part numbers for the EXOSKIN suits?

Part numbers for the EXOSKIN suits are dependent on suit design, style, size, and colour. EXOSKIN-S1 and EXOSKIN-S2 CONFIGURATOR provides a step-by-step guide to obtaining the correct part number for your chosen suit configuration.

## How are the EXOSKIN-S1 and EXOSKIN-S2 suits packaged?

The Jacket and Trousers are each provided in two packaging layers. The inner garment pouch and the outer grip seal bag. The garment can be removed from the garment pouch by tearing the edge at the 'notch'. The operational life cycle of the suit commences from the date the sealed bag is opened. The grip sealed bag should be retained to allow the suit to be stored again if needed.

## Can EXOSKIN-S1 and EXOSKIN-S2 be used multiple times?

Once opened, EXOSKIN suits have a service life of 40-days, which can be consumed in either one singular and continuous wear or donned and doffed repeatedly over a 6-month period.

## What is the shelf life of EXOSKIN-S1 and EXOSKIN-S2?

If stored unopened, within its original packaging and at the recommended storage temperature, the garment has a 10-year shelf life.

## Is EXOSKIN-S1 and EXOSKIN-S2 compatible with your product range?

Yes, Avon Protection's EXOSKIN-S1 and EXOSKIN-S2 suits integrate with our full respiratory product range.

