



COVID-19

SB DESIGNS PERSONAL PROTECTION EQUIPMENT

Manufacturer trader sales and exporter of protection kits, surgical coverall gowns of non-woven fabric sms and ssms fabric, non - woven disposable Masks, Surgeon caps, Shoe covers & Various Medical Products



HAND GLOVES
surgical gloves



FACE MASK

Three Layer Mask outer layer , Protective Layer , inner Layer



PPE KIT

Full Body protection kit with face mask eye cover,



#STAYHOME

www.sbdesigns.in

CALL : 98457 78650

SB designs range of protective coveralls protects from a varied range of Medical Hazards. Working all day in a coverall can get uncomfortable and finding the right level of protection while balancing the need for comfort is not easy.

SB Designs has worked on various options for protective medical suits & following is the Index for the options available.

INDEX

Pages 2	SB003
Pages 3	SB004
Pages 4 & 5	Comparison sheet
Pages 6	Certificates

PPE Coverall SB003 Technical Datasheet





Made From Fabric Meeting ISO 16603 Class 3 Requirements

PPE Coverall SBD-001 is designed for environments involving long hours of work and requiring protection against dusts and light liquid splashes, ie. situations that cover all auxiliary and peripheral level activities in infection protection and sanitation.

Key Features :

- Unique Multi Layered (**SMS Type**) Non-Woven Fabric PP featuring micro pore filtration layers sandwiched between strong outer layers.
- Fabric Sourced from ISO, GMP and OHSAS certified manufacturer
- Unique combination of Materials in Fabric providing optimum combination of **BFE Protection** and **Breathability**.
- Serged seaming and elasticated waist, ankles, and wrists for convenience and freedom of movement.
- Two-way zipper with storm flap for convenience and additional protection

Protection Level :

	Liquid Protection	Type 6 - Light Liquid Splashes (EN 13034:2005)
	Dust Protection	Type 5 - Solid Airborne Particulates (EN ISO 13982-1:2004)
	Biological Protection	Class 3 - Synthetic Blood Penetration Resistance (EN ISO 16603:2004)
	Breathable	Class 3 - Resistance to Water Vapour (EN ISO 11092:2014)

Materials :

Suit	Polypropylene Layered Fabric
Zipper	CFC Braided Two Way Sliders With Storm Flap
Elastic	Neoprene Rubber and Polyester
Thread	Polyester

This product does not contain components made from natural rubber latex.

Sizing :

Our free size garments will allow sufficient movement for the task whilst maintaining a secure fit.



Applications and Performance :

Non-Hazardous Particulates	Yes	Light Liquid Splash	Yes if chemical is compatible with suit material
Non-Hazardous Liquid Splash	Yes	Heavy Splash/ Liquid Spray	No
Hazardous Dusts and Fibres	Yes	Organic Solvents	No
Liquid Continuous Contact/ Immersion	No	Acids/Alkalis	Yes if chemical is compatible with suit material
Gases and Vapours	No		

Typical applications may include : Health Care Facilities, Light Duty/Dry Sanitation, pharmaceutical, general industrial clean-up, general powder handling and food processing. In all cases, a risk assessment should be carried out. Always read product user information. Use limitations and performance data should be considered to ascertain the protection required. If in doubt, contact a safety professional.

The table below shows the performance of this product when tested under laboratory conditions. Please note that the tests may not reflect the reality of use and do not account for factors such as excessive heat and mechanical wear.

Test	Test Method	UoM	Result
Basis Weight	NWSP 130.1	GSM	70
Tensile Strength MD	NWSP 110.4	N/5cm	120
Tensile Strength CD	NWSP 110.4	N/5cm	60
Elongation MD	NWSP 110.4	%	55
Elongation CD	NWSP 110.4	%	65
Air Permeability	NWSP 70.1	l/m2/sec	140
Resistance to Liquid Penetration @ 60 mbar BFE	NWSP 80.6	cmWc	95
Blood Penetration Resistance Test	ASTM:F2101-19	%	>95
	ISO 16603	--	Class 3

PPE Coverall SB004 Technical Datasheet





360 ° Hood with Gusset Providing Added Layer of Particulate Barrier in Absence of N95 Respirator*

PPE Coverall SBD-002 is our most versatile PPE Coverall that is the first choice for a host of environments with liquid chemical threats.

Key Features :

- Unique Multi Layered Non-Woven Fabric PP featuring membrane lamination.
- Fabric Sourced from ISO, GMP and OHSAS certified manufacturer
- Membrane Lamination provides beneficial combination of **Water Pressure Penetration** and **Breathability**.
- Liquid-tight seams by use of sealing tape overlay over seam elasticated waist, ankles, and wrists for convenience and freedom of movement.
- Two-way zipper with sealable storm flap for convenience and additional protection
- Overall Protection with Gusseted Hood

Protection Level :

	Liquid Protection	Type 4 - Liquid Spray (EN 14605-2005+A1:2009)
	Dust Protection	Type 5 - Solid Airborne Particulates (EN ISO 13982-1:2004)
	Biological Protection	Class 4 - Synthetic Blood Penetration Resistance (EN ISO 16603:2004)
	Breathable	Class 2 - Resistance to Water Vapour (EN ISO 11092:2014)

Materials :

Suit	Polypropylene Layered Fabric with Membrane Lamination
Zipper	CFC Braided Two Way Sliders With Storm Flap
Elastic	Neoprene Rubber and Polyester
Thread	Polyester

This product does not contain components made from natural rubber latex. This is not a replacement of N95 masks. Users to exercise their own discretion if using this without N95 based on the risk factors exposed to.

Sizing :

Our free size garments will allow sufficient movement for the task whilst maintaining a secure fit.



Applications and Performance :

Non-Hazardous Particulates	Yes	Light Liquid Splash	Yes if chemical is compatible with suit material
Non-Hazardous Liquid Splash	Yes	Heavy Splash/ Liquid Spray	Yes if chemical is compatible with suit material
Hazardous Dusts and Fibres	Yes	Organic Solvents	No
Liquid Continuous Contact/ Immersion	Yes	Acids/Alkalis	Yes if chemical is compatible with suit material
Gases and Vapours	No		

Typical applications may include : Hospital OT, Healthcare, Chemical Mixing, Insecticide Spraying and Paint Spraying. In all cases, a risk assessment should be carried out. Always read product user information. Use limitations and performance data should be considered to ascertain the protection required. If in doubt, contact a safety professional.

The table below shows the performance of this product when tested under laboratory conditions. Please note that the tests may not reflect the reality of use and do not account for factors such as excessive heat and mechanical wear.

Test	Test Method	UoM	Result
Basis Weight	NWSP 130.1	GSM	90
Tensile Strength MD	NWSP 110.4	N/5cm	135
Tensile Strength CD	NWSP 110.4	N/5cm	75
Elongation MD	NWSP 110.4	%	60
Elongation CD	NWSP 110.4	%	65
Air Permeability @ 125Pa	NWSP 70.1	l/m2/sec	220
Hydrohead 3rd Drop	NWSP 80.6	mm \bar{W}	625
BFE	ASTM:F2101-19	%	>95
Blood Penetration Resistance Test	ISO 16603	--	Class 4

Storage and Disposal :

- Store in dry, clean conditions in original packaging, away from direct sunlight, sources of high temperature, and solvent vapours
- Store within the temperature range -20°C to +25°C (-4°F to +68°F) and with relative humidity below 80%
- Expected shelf life is three years from date of manufacture when stored as stated.
- Replace garments if damaged, heavily contaminated or in accordance with local work practice or regulations
- Handle and dispose of contaminated garments with care and in accordance with applicable regulations

Limited Use :



Do not wash



Do not dry clean



Do not bleach



Flammable - keep away from sparks or flames



Do not iron



Single Use - do not re-use



Do not tumble dry

Warnings and Limitations :

Before use read and understand all user instructions and be sure that the product is suitable for the application and fitted correctly. Product must never be altered or modified.

Do not use for :

- Contact with heavy oils, sparks or flame, or combustible liquids;
- Environments with high mechanical risks (abrasions, tears, cuts);
- Contact with hazardous substances beyond the Type garment is appropriate for
- Environments with conditions of excessive heat.

Important Notice and Limitation of Liability :

This Leaflet is only a product outline and cannot be construed as a base for decision to confirm suitability of use in intended environment. The user is advised to follow respective country specific legislation and consult applicable safety professional before choosing to use the product. Final decision and confirmation regarding suitability of the above product for the task undertaken by the personnel is the employer's responsibility.

SB Designs shall not be liable or responsible for any loss or damage, whether direct, indirect, incidental, special or consequential arising out of the sale, use or misuse of the above products, or the user's inability to use such products.

SBD Comparison Chart

Model Photo		
Model Name	SB003	SB004
Description	Protection From Bio Hazard Aerosol Droplets and Dust Particles	Class 4 Level Protection From Bio Hazard Liquid Penetration while providing breathability
Coverall Design	With Attached Hood	With Separate Gusseted Head Cover
Fabric	5 Layered SMS	5 Layered SMS With Membrane
Seam Construction		
	Serged	Taped
Cuffs	Elastic within Body Fabric	Elastic within Body Fabric
Zipper	Two Way with Storm Flap	Two Way with Sealable Storm Flap
Hood	One Piece	Two Piece
Addons	Anti Static	Anti Static



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