



ONESUIT® Pro 2 Hazmat Protective Suit Article No.: 51159SG337

ONESUIT® Pro 2 is the most affordable chemical protective suit certified to the NFPA 1991 standard, offering the highest level of protection against chemical and biological agents. This is achieved at a price comparable to less protective garments. Designed to allow for excellent maneuverability and user comfort, ONESUIT Pro 2 comes standard with Saint-Gobains' NEW ONESUIT Hazglove-91 high performance chemical protective gloves.



Offers
MAXIMUM PROTECTION
at a minimum price!

FEATURES

- Certified to **NFPA 1991, 2016 Ed.**
- Saint-Gobain CORETECH® Material Technology
- Includes Saint-Gobains' NEW single-layer CORETECH Clearguard Visor with permanent anti-fog resistance
- NEW streamlined design, maximizing operational mobility and peripheral visibility
- Single-skin lightweight ensemble (less than 10 lbs)
- Excellent flame and abrasion resistance
- Reusable, limited exposure design
- Ultra-compact for convenient, space-saving storage
- 10 year MINIMUM shelf life (lower life cycle cost)
- Includes NEW ONESUIT Hazglove-91 chemical protective glove offering industry leading comfort and dexterity.



ONESUIT® Pro 2 Sizes

ONESUIT Pro 2 Product Code	Suit Size	Standard ONESUIT Hazglove-91 Glove Size
1S-P2-RSM	Small	8 (Medium)
1S-P2-RMD	Medium	9 (Large)
1S-P2-RLG	Large	9 (Large)
1S-P2-RXL	X-Large	10 (X-Large)
1S-P2-R2X	2X-Large	11 (2X-Large)
1S-P2-R3X	3X-Large	11 (2X-Large)

Size Guidelines

Suit Size	Height (in.)	Weight (lbs.)
Small	60-64	100-130
Medium	64-68	130-180
Large	68-72	140-210
X-Large	72-76	180-230
2X-Large	74-78	210-260
3X-Large	76-82	240-290

These measurements are only guidelines. Please consult a Saint-Gobain representative if unsure of your optimal size.



Saint-Gobain is one of the world's top 100 industrial corporations, with a tradition of excellence dating back more than 300 years.

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Chemical Test Data

Chemical/ Agent	Test Method	NFPA Requirement	Garment Material Pre-Conditioned	Visor Material Pre-Conditioned	Garment Seam Pre-Conditioned	Visor Seam Pre-Conditioned
Acetone	ASTM F739	Cumulative Permeation < 6.0 µg/cm² for 60 min	< 0.10	< 0.80	< 0.10	< 0.10
Acetonitrile			< 0.08	< 0.80	< 0.08	< 0.08
Acrolein			< 0.06	< 0.80	< 0.06	< 0.06
Acrylonitrile			< 0.12	< 0.80	< 0.12	< 0.12
Anhydrous ammonia (G)			< 0.10	< 0.80	< 0.10	< 0.10
1,3-Butadiene (G)			< 0.04	< 0.80	< 0.04	< 0.04
Carbon disulfide			< 0.02	< 0.80	< 0.02	< 0.02
Chlorine (G)			< 0.20	< 0.80	< 0.20	< 0.20
Dichloromethane			< 0.17	< 0.80	< 0.17	< 0.17
Diethyl amine			< 0.02	< 0.80	< 0.02	< 0.02
Dimethyl formamide			< 0.14	< 0.80	< 0.14	< 0.14
Dimethyl sulfate			< 0.13	< 0.80	< 0.13	< 0.13
Ethyl acetate			< 0.03	< 0.80	< 0.03	< 0.03
Ethylene oxide (G)			< 0.05	< 0.80	< 0.05	< 0.05
Hexane			< 0.03	< 0.80	< 0.03	< 0.03
Hydrogen chloride (G)			< 0.20	< 1.00	< 0.20	< 0.20
Methanol			< 0.14	< 0.80	< 0.14	< 0.14
Methyl chloride (G)			< 0.04	< 0.80	< 0.04	< 0.04
Nitrobenzene			< 0.07	< 0.80	< 0.07	< 0.07
Sodium hydroxide, 50% w/w			< 0.20	< 0.80	< 0.20	< 0.20
Sulfuric acid, 96.1% w/w			< 0.20	< 0.93	< 0.20	< 0.20
Tetrachloroethylene			< 0.11	< 0.80	< 0.11	< 0.11
Tetrahydrofuran			< 0.11	< 0.80	< 0.11	< 0.11
Toulene			< 0.09	< 0.80	< 0.09	< 0.09
Distilled Mustard (HD)	< 4.0 µg/cm² for 60 min		< 0.20	< 0.20	< 0.20	< 0.20
Soman (GD)	< 1.25 µg/cm² for 60 min		< 0.16	< 0.16	< 0.16	< 0.16

Ensemble & Physical Test Data

Material/ Component	Performance Requirement	Test Method	NFPA Requirement	Result
Complete Ensemble	Ensemble MIST Testing	NFPA 1991-2016, 8.8	PPDFsys > 488	1254
Suit Material			PPDFi > 1071	4152
	Flame Resistance (3 second exposure)	ASTM F1358	Afterflame time ≤ 2 sec	0.0
			No melting & dripping	Pass
	Burst Strength	ASTM D751	Strength > 200 N	1140
	Puncture Propagation Tear Resistance	ASTM D2582	Tear resistance ≥ 49 N	193
	Cold Temperature Performance	ASTM D747	Bend moment ≤ 0.057 Nm	0.042
Visor Material	Flame Resistance (3 second exposure)	ASTM F1358	Afterflame time ≤ 2 sec	0.0
			No melting & dripping	Pass
	Visor High-Mass Impact	NFPA 1991-2016, 8.29	No full-thickness fractures	Pass