



DESIGNED BY HAZMAT PROFESSIONALS FOR HAZMAT PROFESSIONALS. NFPA 1991 certified, comfortable, reusable



ONESuit® Gard is engineered to meet the protection and comfort needs of those working in the most dangerous environments. The marriage of Saint-Gobain Performance Plastics' technical expertise to real-world input from hazmat professionals has produced the single-skin ONESuit® Gard. NFPA 1991 certified.

www.onesuittec.com



Features • Features • Features • Features • Features • Features • Features •

- NFPA 1991 certified (2005 ed.)
 - Liquefied gas
- Maximum protection against chemical and biological agents
- Ultra-lightweight for maximum user comfort
- Reusable and decontaminable
- TWICE the lifecycle of other suits
- 15-year MINIMUM shelf life
- No overcover
- Detachable secondary visor
- Internal belting system
- Knee reinforcements and integral booties
- Comes standard with ONEGlove® Hazmat

For more than four decades, Saint-Gobain Performance Plastics and its family of companies — including CHEMFAB, makers of the Challenge® line of technical fabrics — have supplied the world with innovative, high-performance polymer products for the most demanding applications.

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

The company has a strong and ongoing commitment to quality, leadership and customer service in the five major industrial sectors in which it operates: Construction Products, High-Performance Materials, Flat Glass, Packaging and Building Distribution.



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ONESuit® Gard Sizes

ONESuit® Gard Product Code	Suit Size	ONEGlove® Hazmat Standard Size	Recommended Boot Size
1S-A-SM	Small	8 (Medium)	6-9
1S-A-MD	Medium	9 (Large)	8-13
1S-A-LG	Large	9 (Large)	8-13
1S-A-XL	X-Large	10 (X-Large)	9-14
1S-A-2X	XX-Large	10 (X-Large)	10-15
1S-A-3X	XXX-Large	11 (XX-Large)	10-15

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
XX-Large	74 - 78	210 - 260
XXX-Large	76 - 80	240 - 290

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

Chemical Test Data

CHEMICAL/AGENT	TEST METHOD	NFPA REQ'T	GARMENT MATERIAL FLEX/ABRADED	VISOR MATERIAL PRISTINE	VISOR SEAM PRISTINE	GARMENT SEAM PRISTINE
ACETONE			>480	>480	>480	>480
ACETONITRILE			>480	>480	>480	>480
ANHYDROUS AMMONIA (G)			>480	>480	>480	>480
1,3-BUTADIENE (G)			>480	>480	>480	>480
CARBON DISULFIDE			>480	>480	>480	>480
CHLORINE (G)			>480	>480	>480	>480
DICHLOROMETHANE			>480	>480	>480	>480
DIETHYL AMINE			>480	>480	>480	>480
DIMETHYL FORMAMIDE			>480	>480	>480	>480
ETHYL ACETATE			>480	>480	>480	>480
ETHYLENE OXIDE (G)			>480	>480	>480	>480
HEXANE		TIME TO BREAKTHROUGH 0.10 µG/CM ² /MIN (60 MINUTES MINIMUM)	>480	>480	>480	>480
HYDROGEN CHLORIDE (G)			>480	>480	>480	>480
METHANOL			>480	>480	>480	>480
METHYL CHLORIDE (G)	ASTM F 739		>480	>480	>480	>480
NITROBENZENE			>480	>480	>480	>480
SODIUM HYDROXIDE			>480	>480	>480	>480
SULFURIC ACID			>480	>480	>480	>480
TETRACHLOROETHYLENE			>480	>480	>480	>480
TETRAHYDROFURAN			>480	>480	>480	>480
TOLUENE			>480	>480	>480	>480
CYANOGEN CHLORIDE (CK)			>480	>480	>480	>480
CARBONYL CHLORIDE (CG)			>480	>480	>480	>480
HYDROGEN CYANIDE (HCN)			>480	>480	>480	>480
DIMETHYL SULFATE			>480	>480	>480	>480
HYDROGEN FLUORIDE (HF)			>480	NA	NA	NA
SARIN		< .125 µG/CM ² AFTER 1 HR	.406 AFTER 8 HRS	.039 AFTER 8 HRS	.086 AFTER 8 HRS	.801 AFTER 8 HRS
DISTILLED MUSTARD (HD)		< 4.0 µG/CM ² AFTER 1 HR	.147 AFTER 8 HRS	.048 AFTER 8 HRS	.023 AFTER 8 HRS	.038 AFTER 8 HRS

ONESuit® Gard is currently certified to:



Certified Model – NFPA 1991 (2005 ed.)

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