

## A person wearing a full-body orange hazmat suit, including a hood and a large clear respirator mask, is crouching next to a large, rusted metal barrel. The person is wearing yellow gloves and orange boots. The barrel has a label that reads "CONQUEST". The background is a plain, light-colored wall. The image is framed by a thick orange border.

**CORETECH™**  
BARRIER MEMBRANE



**SAINT-GOBAIN**  
PERFORMANCE PLASTICS

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 four major industrial sectors in which it operates: Construction Products, Innovative Materials, Packaging and Building Distribution.



**Saint-Gobain Performance Plastics**  
701 Daniel Webster Highway  
Merrimack, NH 03054  
Tel: 603.424.9000  
Fax: 603.424.9044  
Technical and Customer Services:  
800.451.6101  
www.onesuittec.com

## ONESuit® Pro Sizes

| ONESuit® Pro Product Code | Suit Size | ONEGlove® Hazmat Standard Size | Recommended Boot Size |
|---------------------------|-----------|--------------------------------|-----------------------|
| 1S-P-SM                   | Small     | 8 (Medium)                     | 6-9                   |
| 1S-P-MD                   | Medium    | 9 (Large)                      | 8-13                  |
| 1S-P-LG                   | Large     | 9 (Large)                      | 8-13                  |
| 1S-P-XL                   | X-Large   | 10 (X-Large)                   | 9-14                  |
| 1S-P-2X                   | XX-Large  | 10 (X-Large)                   | 10-15                 |
| 1S-P-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 – NFPA 1991

| CHEMICAL/AGENT         | TEST METHOD                                                     | NFPA REQ'T | GARMENT MATERIAL FLEX/ABRADED | VISOR MATERIAL PRISTINE | VISOR SEAM PRISTINE | GARMENT SEAM PRISTINE |       |
|------------------------|-----------------------------------------------------------------|------------|-------------------------------|-------------------------|---------------------|-----------------------|-------|
| ACETONE                | TIME TO BREAKTHROUGH<br>0.10 µg/cm²/MIN<br>(60 MINUTES MINIMUM) |            | >480                          | >480                    | >480                | >480                  |       |
| ACETONITRILE           |                                                                 |            | >480                          | >480                    | >480                | >480                  |       |
| AMMONIA                |                                                                 |            | >480                          | >480                    | >480                | >480                  |       |
| 1,3-BUTADIENE          |                                                                 |            | >480                          | >480                    | >480                | >480                  |       |
| CARBON DISULFIDE       |                                                                 |            | >480                          | >480                    | >480                | >480                  |       |
| CHLORINE               |                                                                 |            | 310                           | >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         |                                                                 |            | >480                          | >480                    | >480                | >480                  |       |
| HEXANE                 |                                                                 |            | >480                          | >480                    | >480                | >480                  |       |
| HYDROGEN CHLORIDE      |                                                                 |            | >480                          | >480                    | >480                | >480                  |       |
| METHANOL               |                                                                 |            | >480                          | >480                    | >480                | >480                  |       |
| METHYL CHLORIDE        | ASTM F739                                                       | >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) |                                                                 |            | >60                           | >480                    | >60                 | >60                   |       |
| CARBONYL CHLORIDE (CG) |                                                                 |            | >60                           | >480                    | >60                 | >60                   |       |
| HYDROGEN CYANIDE (HCN) |                                                                 |            | >60                           | >480                    | >60                 | >60                   |       |
| DIMETHYL SULFATE       |                                                                 |            | >480                          | >480                    | >480                | >480                  |       |
| SARIN (GB)             |                                                                 |            | < .125 µg/cm²<br>AFTER 1 HR   | 0.001                   | .039 AFTER 8 HRS    | <0.001                | 0.001 |
| DISTILLED MUSTARD (HD) |                                                                 |            | < 4.0 µg/cm²<br>AFTER 1 HR    | 0.023                   | .048 AFTER 8 HRS    | <0.001                | 0.003 |

## Chemical Test Data – NFPA 1994, Class 2

| CHEMICAL/AGENT         | TEST METHOD | NFPA REQ'T                | GARMENT MATERIAL FLEX/ABRADED | VISOR MATERIAL PERMEATION | VISOR SEAM PRISTINE | GARMENT SEAM PRISTINE |
|------------------------|-------------|---------------------------|-------------------------------|---------------------------|---------------------|-----------------------|
| DISTILLED MUSTARD (HD) | ASTM F739   | ≤ 4.0 µG/CM <sup>2</sup>  | 0.002                         | 0.004                     | <.001               | 0.001                 |
| SOMAN (GD)             |             | ≤ 1.25 µG/CM <sup>2</sup> | 0.011                         | <.001                     | <.001               | <.001                 |
| ACROLEIN               |             | ≤ 6.0 µG/CM <sup>2</sup>  | <1                            | <1                        | <1                  | <1                    |
| ACRYLONITRILE          |             | ≤ 6.0 µG/CM <sup>2</sup>  | <1                            | <1                        | <1                  | <1                    |
| AMMONIA                |             | ≤ 6.0 µG/CM <sup>2</sup>  | <1                            | <1                        | <1                  | <1                    |
| CHLORINE               |             | ≤ 6.0 µG/CM <sup>2</sup>  | <1                            | <1                        | <1                  | <1                    |
| DIMETHYL SULFATE       |             | ≤ 6.0 µG/CM <sup>2</sup>  | <1                            | <1                        | <1                  | <1                    |

ONESuit® Pro is currently certified to:



Certified Model – NFPA 1991 (2005 ed.)  
Certified Model – NFPA 1994 Class 2 (2007 ed.)

ONESuit® and ONEGlove® are registered trademarks of Saint-Gobain Performance Plastics Corporation.  
CoreTech™ is a trademark of Saint-Gobain Performance Plastics Corporation.