

**HPD UNIQUE IDENTIFIER:** 27338

**CLASSIFICATION:** 07 84 53 Building Perimeter Firestopping

**PRODUCT DESCRIPTION:** Window Wall Gasket is a thin, intumescent rubber gasket used to block the passage of fire and hot gases in window wall applications. The gasket has a glass fiber mesh embedded within the rubber matrix and is faced on both sides with polyethylene film to stand up to normal jobsite rigors and the typical exposure to the elements. Window Wall Gasket is secured to the edge of slab or directly to the window wall unit sill to drape into the gap between the fire-rated floor and the slab cover. When exposed to temperatures in excess of 350°F (177°C) during a fire, the gasket begins to expand (intumesce) rapidly to form a dense, highly insulative char. Applications: In window wall construction, the void between the concrete slab and the slab cover provides a direct path for heat and flames to compromise the vision panel sill on the top surface of the floor. Window Wall Gasket activates when heated to seal off the void area and block the spread of flames and hot gases. Window Wall Gasket meets the exacting criteria of ASTM E2307 for up to a 2 hour fire rating and is Intertek listed. Testing & Approvals: Tested to ASTM E2307. Refer to Intertek’s Directory of Building Products For Detailed Information.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

| Inventory Reporting Format                    | Threshold Level                            | Residuals/Impurities                                          | <i>All Substances Above the Threshold Indicated Are:</i><br><b>Characterized</b> <input type="radio"/> Yes <input checked="" type="radio"/> Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No<br><i>% weight and role provided for all substances.</i><br><b>Screened</b> <input type="radio"/> Yes <input checked="" type="radio"/> Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No<br><i>All substances screened using Priority Hazard Lists with results disclosed.</i><br><b>Identified</b> <input type="radio"/> Yes <input checked="" type="radio"/> Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No<br><i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i> |
|-----------------------------------------------|--------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="radio"/> Nested Materials Method | <input type="radio"/> 100 ppm              | <input checked="" type="radio"/> Considered                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <input checked="" type="radio"/> Basic Method | <input checked="" type="radio"/> 1,000 ppm | <input type="radio"/> Partially Considered                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Threshold Disclosed Per</b>                | <input type="radio"/> Per GHS SDS          | <input type="radio"/> Not Considered                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <input type="radio"/> Material                | <input type="radio"/> Other                | <b>Explanation(s) provided for Residuals/Impurities?</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <input checked="" type="radio"/> Product      |                                            | <input checked="" type="radio"/> Yes <input type="radio"/> No |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY  
GREENSCREEN SCORE | HAZARD TYPE  
SPECSEAL® WINDOW WALL GASKET | UNDISCLOSED LT-UNK  
GRAPHITE LT-UNK UNDISCLOSED BM-3 UNDISCLOSED LT-UNK  
UNDISCLOSED BM-1 | END | RES | MUL | AQU KAOLIN CLAY  
(PRIMARY CASRN IS 1332-58-7) LT-UNK | CAN 4,4'-  
DIPHENYLMETHANE DIISOCYANATE LT-UNK | MUL | RES | CAN | SKI  
| EYE P-CRESOL, 2,2'-METHYLENEBIS(6-TERT- BUTYL- BM-1 | END |  
REP ]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen  
Benchmark or List translator Score ... BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

None.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: N/A

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

|                                     |                         |                            |
|-------------------------------------|-------------------------|----------------------------|
| Third Party Verified?               | PREPARER: Self-Prepared | SCREENING DATE: 2022-01-26 |
| <input type="radio"/> Yes           | VERIFIER:               | PUBLISHED DATE: 2022-01-26 |
| <input checked="" type="radio"/> No | VERIFICATION #:         | EXPIRY DATE: 2025-01-26    |

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.2, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-2-standard](http://www.hpd-collaborative.org/hpd-2-2-standard)

SPECSEAL® WINDOW WALL GASKET

|                                                                        |                        |                                                |          |                        |
|------------------------------------------------------------------------|------------------------|------------------------------------------------|----------|------------------------|
| PRODUCT THRESHOLD: 1000 ppm                                            |                        | RESIDUALS AND IMPURITIES CONSIDERED: Yes       |          |                        |
| RESIDUALS AND IMPURITIES NOTES: There are no residuals in the product. |                        |                                                |          |                        |
| OTHER PRODUCT NOTES: There are no residuals in the product.            |                        |                                                |          |                        |
| UNDISCLOSED                                                            |                        | ID: Undisclosed                                |          |                        |
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library         |                        | HAZARD SCREENING DATE: 2022-01-26 12:39:49     |          |                        |
| %: 20.0000 - 30.0000                                                   | GS: LT-UNK             | RC: None                                       | NANO: No | SUBSTANCE ROLE: Binder |
| HAZARD TYPE                                                            | AGENCY AND LIST TITLES |                                                | WARNINGS |                        |
| None found                                                             |                        | No warnings found on HPD Priority Hazard Lists |          |                        |
| SUBSTANCE NOTES: This is part of the binder in the product.            |                        |                                                |          |                        |

|                                                                |                        |            |                                                |               |                             |
|----------------------------------------------------------------|------------------------|------------|------------------------------------------------|---------------|-----------------------------|
| GRAPHITE                                                       |                        |            |                                                | ID: 7782-42-5 |                             |
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library |                        |            | HAZARD SCREENING DATE: 2022-01-26 12:39:50     |               |                             |
| %: 15.0000 - 30.0000                                           |                        | GS: LT-UNK | RC: None                                       | NANO: No      | SUBSTANCE ROLE: Intumescent |
| HAZARD TYPE                                                    | AGENCY AND LIST TITLES |            | WARNINGS                                       |               |                             |
| None found                                                     |                        |            | No warnings found on HPD Priority Hazard Lists |               |                             |
| SUBSTANCE NOTES: This is the intumescent in the product.       |                        |            |                                                |               |                             |

|                                                                |                        |          |                                                |                 |                                 |
|----------------------------------------------------------------|------------------------|----------|------------------------------------------------|-----------------|---------------------------------|
| UNDISCLOSED                                                    |                        |          |                                                | ID: Undisclosed |                                 |
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library |                        |          | HAZARD SCREENING DATE: 2022-01-26 12:39:50     |                 |                                 |
| %: 15.0000 - 30.0000                                           |                        | GS: BM-3 | RC: None                                       | NANO: No        | SUBSTANCE ROLE: Flame retardant |
| HAZARD TYPE                                                    | AGENCY AND LIST TITLES |          | WARNINGS                                       |                 |                                 |
| None found                                                     |                        |          | No warnings found on HPD Priority Hazard Lists |                 |                                 |
| SUBSTANCE NOTES: This is a flame retardant in the product.     |                        |          |                                                |                 |                                 |

|                                                                |  |                                            |  |                 |
|----------------------------------------------------------------|--|--------------------------------------------|--|-----------------|
| UNDISCLOSED                                                    |  |                                            |  | ID: Undisclosed |
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library |  | HAZARD SCREENING DATE: 2022-01-26 12:39:51 |  |                 |

%: 8.0000 - 15.0000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Plasticizer

| HAZARD TYPE                                            | AGENCY AND LIST TITLES | WARNINGS                                       |
|--------------------------------------------------------|------------------------|------------------------------------------------|
| None found                                             |                        | No warnings found on HPD Priority Hazard Lists |
| SUBSTANCE NOTES: This is a plasticizer in the product. |                        |                                                |

UNDISCLOSED

ID: Undisclosed

|                                                                |                                             |                                            |                                                                                                                           |          |          |                                 |
|----------------------------------------------------------------|---------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------|----------|---------------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library |                                             | HAZARD SCREENING DATE: 2022-01-26 12:39:51 |                                                                                                                           |          |          |                                 |
| %: 3.0000 - 7.0000                                             |                                             | GS: BM-1                                   |                                                                                                                           | RC: None | NANO: No | SUBSTANCE ROLE: Flame retardant |
| HAZARD TYPE                                                    | AGENCY AND LIST TITLES                      |                                            | WARNINGS                                                                                                                  |          |          |                                 |
| END                                                            | TEDX - Potential Endocrine Disruptors       |                                            | Potential Endocrine Disruptor                                                                                             |          |          |                                 |
| RES                                                            | AOEC - Asthmagens                           |                                            | Asthmagen (Rs) - sensitizer-induced                                                                                       |          |          |                                 |
| MUL                                                            | German FEA - Substances Hazardous to Waters |                                            | Class 2 - Hazard to Waters                                                                                                |          |          |                                 |
| AQU                                                            | EU - GHS (H-Statements) Annex 6 Table 3-1   |                                            | H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]                             |          |          |                                 |
| AQU                                                            | EU - GHS (H-Statements) Annex 6 Table 3-1   |                                            | H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1] |          |          |                                 |
| SUBSTANCE NOTES: This is a flame retardant in the product.     |                                             |                                            |                                                                                                                           |          |          |                                 |

KAOLIN CLAY (PRIMARY CASRN IS 1332-58-7)

ID: 12198-85-5

|                                                                |                        |                                                                                              |          |                        |
|----------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------|----------|------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library |                        | HAZARD SCREENING DATE: 2022-01-26 12:39:52                                                   |          |                        |
| %: 1.0000 - 7.0000                                             | GS: LT-UNK             | RC: None                                                                                     | NANO: No | SUBSTANCE ROLE: Filler |
| HAZARD TYPE                                                    | AGENCY AND LIST TITLES | WARNINGS                                                                                     |          |                        |
| CAN                                                            | MAK                    | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification |          |                        |
| SUBSTANCE NOTES: This is a filler in the product.              |                        |                                                                                              |          |                        |

4,4'-DIPHENYLMETHANE DIISOCYANATE

ID: 101-68-8

|                                                                |            |                                            |          |                        |
|----------------------------------------------------------------|------------|--------------------------------------------|----------|------------------------|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library |            | HAZARD SCREENING DATE: 2022-01-26 12:39:52 |          |                        |
| %: 1.0000 - 5.0000                                             | GS: LT-UNK | RC: None                                   | NANO: No | SUBSTANCE ROLE: Binder |

| HAZARD TYPE                                                 | AGENCY AND LIST TITLES                    | WARNINGS                                                                                                                  |
|-------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| MUL                                                         | US EPA - PPT Chemical Action Plans        | EPA Chemical of Concern - Action Plan published                                                                           |
| RES                                                         | AOEC - Asthmagens                         | Asthmagen (G) - generally accepted                                                                                        |
| CAN                                                         | MAK                                       | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels                                          |
| RES                                                         | MAK                                       | Sensitizing Substance Sah - Danger of airway & skin sensitization                                                         |
| RES                                                         | US EPA - PPT Chemical Action Plans        | Inhalation sensitizer causing asthma and lung damage                                                                      |
| SKI                                                         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]                                                    |
| SKI                                                         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1]                                              |
| EYE                                                         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]                                    |
| RES                                                         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled [Respiratory sensitization - Category 1] |
| CAN                                                         | EU - GHS (H-Statements) Annex 6 Table 3-1 | H351 - Suspected of causing cancer [Carcinogenicity - Category 2]                                                         |
| SUBSTANCE NOTES: This is part of the binder in the product. |                                           |                                                                                                                           |

**P-CRESOL, 2,2'-METHYLENEBIS(6-TERT- BUTYL-** ID: **119-47-1**

|                                                                       |                                       |                                                   |                                                                          |                                    |
|-----------------------------------------------------------------------|---------------------------------------|---------------------------------------------------|--------------------------------------------------------------------------|------------------------------------|
| HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> |                                       | HAZARD SCREENING DATE: <b>2022-01-26 12:39:53</b> |                                                                          |                                    |
| %: <b>0.1000 - 1.0000</b>                                             | GS: <b>BM-1</b>                       | RC: <b>None</b>                                   | NANO: <b>No</b>                                                          | SUBSTANCE ROLE: <b>Antioxidant</b> |
| HAZARD TYPE                                                           | AGENCY AND LIST TITLES                |                                                   | WARNINGS                                                                 |                                    |
| END                                                                   | TEDX - Potential Endocrine Disruptors |                                                   | Potential Endocrine Disruptor                                            |                                    |
| REP                                                                   | GHS - Australia                       |                                                   | H360F - May damage fertility [Reproductive toxicity - Category 1A or 1B] |                                    |
| SUBSTANCE NOTES: This is an antioxidant in the product.               |                                       |                                                   |                                                                          |                                    |

## Section 3: Certifications and Compliance

*This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.*

| VOC EMISSIONS                                                                                                                                                                                                                         | N/A                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| CERTIFYING PARTY: Self-declared                                                                                                                                                                                                       | ISSUE DATE: 2020-05-01           |
| APPLICABLE FACILITIES: All.                                                                                                                                                                                                           | EXPIRY DATE:                     |
| CERTIFICATE URL:<br><a href="https://api.stifirestop.com/resources/safety-data-sheets/wwg-window-wall-gasket-safety-data-sheet">https://api.stifirestop.com/resources/safety-data-sheets/wwg-window-wall-gasket-safety-data-sheet</a> | CERTIFIER OR LAB: Self-declared. |
| CERTIFICATION AND COMPLIANCE NOTES: Not Applicable. See Certificate URL for Safety Data Sheet (SDS).                                                                                                                                  |                                  |

## Section 4: Accessories

*This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.*

No accessories are required for this product.

## Section 5: General Notes

### Applications:

In window wall construction, the void between the concrete slab and the slab cover provides a direct path for heat and flames to compromise the vision panel sill on the top surface of the floor. Window Wall Gasket activates when heated to seal off the void area and block the spread of flames and hot gases. Window Wall Gasket meets the exacting criteria of ASTM E2307 for up to a 2 hour fire rating and is Intertek listed.

### System Selection:

To find your firestop system or create a submittal, visit <https://systems.stifirestop.com/> to use System Search & Submittal Builder. You may also visit the Intertek SpecDIRECT™ for complete listings. (Firestop Systems).

### Technical Service:

Specified Technologies Inc. provides toll free technical support to assist in product selection and appropriate installation design. UL System designs suitable for submittal or specification purposes are available on request. A complete library of technical information is provided at the company's website [www.stifirestop.com](http://www.stifirestop.com) including Safety Data Sheets (SDS's).

### Testing & Approvals:

Tested to ASTM E2307. Refer to Intertek's Directory of Building Products For Detailed Information.

## MANUFACTURER INFORMATION

**MANUFACTURER:** Specified Technologies Inc.  
**ADDRESS:** 210 Evans Way  
Somerville NJ 08876, United States  
**WEBSITE:** [www.stifirestop.com](http://www.stifirestop.com)

**CONTACT NAME:** George Gornick  
**TITLE:** Applications Engineer, LEED Green Associate  
**PHONE:** 800-992-1180, Ext. 1013  
**EMAIL:** [ggornick@stifirestop.com](mailto:ggornick@stifirestop.com)

*The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.*

## KEY

### Hazard Types

|                                       |                                                   |                                                      |
|---------------------------------------|---------------------------------------------------|------------------------------------------------------|
| <b>AQU</b> Aquatic toxicity           | <b>LAN</b> Land toxicity                          | <b>PHY</b> Physical hazard (flammable or reactive)   |
| <b>CAN</b> Cancer                     | <b>MAM</b> Mammalian/systemic/organ toxicity      | <b>REP</b> Reproductive                              |
| <b>DEV</b> Developmental toxicity     | <b>MUL</b> Multiple                               | <b>RES</b> Respiratory sensitization                 |
| <b>END</b> Endocrine activity         | <b>NEU</b> Neurotoxicity                          | <b>SKI</b> Skin sensitization/irritation/corrosivity |
| <b>EYE</b> Eye irritation/corrosivity | <b>NF</b> Not found on Priority Hazard Lists      | <b>UNK</b> Unknown                                   |
| <b>GEN</b> Gene mutation              | <b>OZO</b> Ozone depletion                        |                                                      |
| <b>GLO</b> Global warming             | <b>PBT</b> Persistent, bioaccumulative, and toxic |                                                      |

### GreenScreen (GS)

|                                                                     |                                                                                                                                                                                                                                |
|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BM-4</b> Benchmark 4 (prefer-safer chemical)                     | <b>LT-1</b> List Translator 1 (Likely Benchmark-1)                                                                                                                                                                             |
| <b>BM-3</b> Benchmark 3 (use but still opportunity for improvement) | <b>LT-UNK</b> List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.) |
| <b>BM-2</b> Benchmark 2 (use but search for safer substitutes)      |                                                                                                                                                                                                                                |
| <b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)          |                                                                                                                                                                                                                                |
| <b>BM-U</b> Benchmark Unspecified (due to insufficient data)        |                                                                                                                                                                                                                                |
| <b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)      | <b>NoGS</b> No GreenScreen.                                                                                                                                                                                                    |

### Recycled Types

**PreC** Pre-consumer recycled content  
**PostC** Post-consumer recycled content  
**UNK** Inclusion of recycled content is unknown  
**None** Does not include recycled content

### Other Terms:

**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

### Inventory Methods:

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material  
**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product  
**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology  
**Third Party Verified** Verification by independent certifier approved by HPDC  
**Preparer** Third party preparer, if not self-prepared by manufacturer  
**Applicable facilities** Manufacturing sites to which testing applies

*The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:*

- *a method for the assessment of exposure or risk associated with product handling or use,*
- *a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.*

*The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.*

*The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.*