

HPD UNIQUE IDENTIFIER: 24375

CLASSIFICATION: 07 13 26 Self-Adhering Sheet Waterproofing

PRODUCT DESCRIPTION: 650 Membrane is used on concrete foundation walls, split slabs, sills and spandrel beams, tunnels, plaza decks, parking garages and related applications where waterproofing is critical. Polyguard 650 Membrane may also be used on wood, concrete masonry (CMU) structures and Insulated Concrete Forms (ICF).

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>
<input type="radio"/> Nested Materials Method	<input type="radio"/> 100 ppm	<input type="radio"/> Considered	Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input type="radio"/> 1,000 ppm	<input type="radio"/> Partially Considered	<i>% weight and role provided for all substances.</i>
Threshold Disclosed Per	<input checked="" type="radio"/> Per GHS SDS	<input checked="" type="radio"/> Not Considered	Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	<b>Explanation(s) provided for Residuals/Impurities?</b>	<i>All substances screened using Priority Hazard Lists with results disclosed.</i>
<input checked="" type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
			<i>All substances disclosed by Name (Specific or Generic) and Identifier.</i>

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**

**650 MEMBRANE [ ASPHALT LT-1 | CAN LIMESTONE LT-UNK  
POLYETHYLENE (PRIMARY CASRN IS 9002-88-4) LT-UNK STYRENE  
BUTADIENE RUBBER (BENZENE, ETHENYL-, POLYMER WITH 1,3-  
BUTADIENE) LT-UNK BENZENE, ETHENYL-, POLYMER WITH 2-  
METHYL-1,3-BUTADIENE LT-UNK ]**

Number of Greenscreen BM-4/BM3 contents ... 0

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

No additional notes.

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

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2021-04-07

PUBLISHED DATE: 2021-04-09

EXPIRY DATE: 2024-04-07

## Section 2: Content in Descending Order of Quantity

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.hpdc-collaborative.org/hpd-2-2-standard](http://www.hpdc-collaborative.org/hpd-2-2-standard)

### 650 MEMBRANE

PRODUCT THRESHOLD: Per GHS SDS

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities not included. All raw materials are blended together to form a solid material.

OTHER PRODUCT NOTES: No additional notes

#### ASPHALT

ID: 8052-42-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-04-07 4:48:01

#: 55.0000 - 75.0000 GS: LT-1 RC: None NANO: No SUBSTANCE ROLE: Binder

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	CA EPA - Prop 65	Carcinogen
CAN	IARC	Group 2b - Possibly carcinogenic to humans

SUBSTANCE NOTES:

#### LIMESTONE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-04-07 4:48:02

#: 10.0000 - 20.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Filler

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

#### POLYETHYLENE (PRIMARY CASRN IS 9002-88-4)

ID: 934176-14-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-04-07 4:48:02

#: 3.0000 - 6.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES: Polyethylene film		

**STYRENE BUTADIENE RUBBER (BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE)** ID: 9003-55-8

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2021-04-07 4:48:03</b>	
%: <b>2.0000 - 7.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b> SUBSTANCE ROLE: <b>Polymer species</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES:			

**BENZENE, ETHENYL-, POLYMER WITH 2-METHYL-1,3-BUTADIENE** ID: 25038-32-8

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2021-04-07 4:48:03</b>	
%: <b>2.0000 - 6.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b> SUBSTANCE ROLE: <b>Polymer species</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES:			

## 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: 2021-04-

EXPIRY DATE:

CERTIFIER OR LAB: None

APPLICABLE FACILITIES: All

07

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: VOC content data is not applicable for this product category.

## 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.

### DETAIL SEALANT PW™

HPD URL: <https://hpdrepository.hpd-collaborative.org/Pages/Results.aspx#k=polyguard>

#### CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Detail Sealant PW™ is used to address the critical areas of terminations, transitions and penetrations.

### 650 LT LIQUID ADHESIVE

HPD URL: <https://hpdrepository.hpd-collaborative.org/Pages/Results.aspx#k=polyguard>

#### CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

All substrates must be prepared prior to application of membrane. Apply primer to a cleaned, dry, dust free, and frost free. Apply by roller or brush. Apply Polyguard® 650 LT Liquid Adhesive per manufacturing instructions. Allow to cure per manufacturer's directions.

### CALIFORNIA SEALANT

HPD URL: <https://hpdrepository.hpd-collaborative.org/Pages/Results.aspx#k=polyguard>

#### CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

All substrates must be prepared prior to application of membrane. Apply to a cleaned, dry, dust free, and frost free surface. Apply by roller or brush. Apply Polyguard® California Sealant per manufacturer instructions . Allow to cure per manufacturer's directions.

### 650 WB

HPD URL: <https://hpdrepository.hpd-collaborative.org/Pages/Results.aspx#k=polyguard>

#### CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

All substrates must be prepared prior to application of membrane. Apply to a dry, dust free, and frost free surface. Apply by roller or brush. Apply the Polyguard® 650 WB Liquid Adhesive per manufacture directions. Allow to cure per manufacturer's directions.

## Section 5: General Notes

650 Membrane conforms to the following specifications:

- AIA MasterSpec Section 07111
- American Railway Engineering Association (AREA) 29-2
- Corps of Engineers CEGS-0711
- Department of the Navy NAV FAC TS 07111
- Federal Construction Guide FCGS 07111
- General Service Administration PBS (PCD) 07111
- LARR Report # RR25879
- SWRI
- Veterans Administration 14-08-1 Section 07311

650 Membrane

[hpdrepository.hpd-collaborative.org](https://hpdrepository.hpd-collaborative.org)

**MANUFACTURER INFORMATION**

**MANUFACTURER:** Polyguard Products  
**ADDRESS:** 4101 S I 45  
**Ennis Texas 75119, United States**  
**WEBSITE:** www.Polyguard.com

**CONTACT NAME:** David Leslie  
**TITLE:** Division Co Mgr.  
**PHONE:** 214-515-5000  
**EMAIL:** Polyguard@polyguard.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>NoGS</b> No GreenScreen.
<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)	

**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.*