

Name

R-Guard Cat5 Rain Screen

Product ID

70435

Classification

07 27 00.00 Thermal and Moisture Protection (insulation water barrier):
Air Barriers

Website

prosoco.com/Products/acf6f026-c9c6-4439-b8c0-db7cfedcb748

Manufacturer Address

PROSOCO
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Health Product Declaration

1.0

Description

PROSOCO R-GUARD® Cat 5® Rain Screen Air & Water-Resistive Barrier is a fluid applied, waterproofing, and air and water barrier membrane that combines the best of silicone and polyurethane properties. This single component, Silyl-Terminated-Poly-Ether (STPE) is specially formulated to meet the unique requirements of pressure-equalized rain screen construction.

The roller applied air and waterproof barrier produces a highly durable, seamless, elastomeric weatherproof and UV-resistant membrane on exterior sheathing behind open-jointed or vented rain screen cladding. Cat 5® Rain Screen is proven to prevent water and air penetration of the building envelope in conditions ranging from everyday weather to the drenching rains and 155 mph winds of a Category 5 hurricane.

Cat 5® Rain Screen can be applied in unfavorable weather conditions to dry or damp substrates. This feature eliminates many weather-related construction delays and accelerates the “drying in” of new buildings. The durable, elastomeric membrane adheres to most surfaces, is immediately waterproof and is compatible with most sealants and waterproofing or air barrier components.

Release Date

2014-05-15

Expiry Date

2017-05-15

HPD URL

<https://tool.hpdcollaborative.org/uploads/files/hpds/106/709-20140515160246.pdf>

☒ Self-declared

☐ Second Party

☐ Third Party

Certifier

Certificate #

SUMMARY DISCLOSURE

The content of this product was assessed for health hazard warnings as required using Pharos

Residuals Disclosure

☐ Measured 100 ppm (ideal)

☒ Measured 1000 ppm

☐ Predicted by process chemistry

☐ As per MSDS (1,000 & 10,000 ppm)

☐ Not disclosed

☐ Other

Full Disclosure of Intentional Ingredients

☐ Yes☒ No

Full Disclosure of Known Hazards

☒ Yes☐ No

Disclosure Notes

PROSOCO is disclosing known residuals in this product to a concentration of 0.1% based on supplier and formulary data.This disclosure document divulges greater than 99.7% of known ingredients and residuals.

Contents in Descending Order of Quantity

Unknown , LIMESTONE; CALCIUM CARBONATE , POLYPROPYLENE GLYCOL , 1,2-ETHANEDIAMINE, N-(3-(TRIMETHOXYSILYL)PROPYL)-(9CI) , trimethoxyvinylsilane , DI(2-ETHYLHEXYL)ADIPATE (DEHA) , Dibutyltin dilaurate , METHYLTRIMETHOXYSILANE , Iron oxide , Undisclosed (Undisclosed yellow pigment) , BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL) SEBACATE , 2-(2H-BENZOTRIAZOL-2-YL)-4,6-DITERTPENTYLPHENOL , QUARTZ

Hazards

☒ PBT (Persistent Bioaccumulative Toxic)

☒ Cancer

☐ Gene Mutation

☐ Development

☐ Reproductive

☒ Endocrine

☐ Respiratory

Highest concern GreenScreen score - List Translator Benchmark 1

☐ Neurotoxicity

☐ Mammal

☐ Skin or Eye

☐ Aquatic toxicity

☐ Land toxicity

☐ Physical hazard

☐ Global warming

☐ Ozone depletion

☒ Multiple

☒ Unknown

Total VOC Content Material (g/L)

Regulatory (g/L)

35.00

Does the product contain exempt VOCs?

Are there VOC-free tints available?

☐ N/A☒ Yes☒ No

☒ N/A☐ Yes☐ No

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Certifications + Compliance

VOC Emissions Not tested

VOC Content

Not tested

The HPD Standard is solely a declaration of product content and direct health hazards associated with exposure to its individual contents. It is not a full assessment of environmental impacts from the life cycle of this product. It is not an assessment of risks associated with actual use of the product. It does not address the potential health impacts of substances used or created during manufacture that do not appear in the final product as residuals, nor substances created during combustion or other degradation processes.

This Health Product Declaration was generated following the requirements of the noted Standard version and is valid for a total of three years after date of issue or three months after a substantive change of product contents occurs. Users should verify that this Health Product Declaration is compliant with the most current version of the HPD Standard. Accuracy of claims made in this Health Product Declaration is the sole responsibility of the listed manufacturer and certifier (if applicable). The HPD Collaborative does not warrant any claim made herein, explicit or implicit. The HPD Standard is an “open standard” developed and managed by the HPD Collaborative, a nonprofit organization. For more information, visit hpdcollaborative.org.

CONTENT IN DESCENDING ORDER OF QUANTITY

All ingredients must be assessed for health warnings against Priority Hazard Lists, regardless of disclosure level. Priority Hazard Lists and information on the GreenScreen Benchmarks can be found at www.hpdcollaborative.org/hazardlists.
GS: GreenScreen Benchmark; **RC:** Recycled Content, **PC:** Post Consumer, **PI:** Post Industrial (Pre-consumer), **BO:** Both; **Nano:** comprised of nanoscale particles or nanotechnology

Name	CAS RN	% weight	GS	RC	Nano	Role
Hazard A	Warning A					
Hazard B	Warning B					
Hazard C	Warning C					
Hazard D	Warning D					
Hazard E	Warning E					
Notes						
Unknown	Unknown	30 - 50 %		N	N	Polymer
Unknown	Not disclosed by supplier					
The specific identity of this STPE polymer has been withheld by the supplier. The supplier has verified LBC v2.1 Red List conformance and it contains no California Proposition 65 chemicals. It is classified as non-hazardous in accordance with GHS criteria and is expected to be free of GreenScreen Benchmark 1 chemicals of concern. For purposes of this HPD, it would be considered unclassifiable.						
LIMESTONE; CALCIUM CARBONATE	1317-65-3	30 - 50 %	LT-U	N	N	Filler
None found	No warnings found on HPD Priority lists					
Prosoco has withheld the exact percentage content of this material to preserve Intellectual Property.						
POLYPROPYLENE GLYCOL	25322-69-4	10 - 30 %	LT-U	N	N	Plasticizer
None found	No warnings found on HPD Priority lists					
Prosoco has withheld the exact percentage content of this material to preserve Intellectual Property.						
1,2-ETHANEDIAMINE, N-(3-(TRIMETHOXYSILYL)PROPYL)-(9CI)	1760-24-3	1 - 5 %	LT-U	N	N	Drying agent for shelf life stability
None found	No warnings found on HPD Priority lists					
This material cures in the presence of moisture and is bound in the polymer matrix. Prosoco has withheld the exact percentage content of this material to preserve Intellectual Property.						
trimethoxyvinylsilane	2768-02-7	0.1 - 1 %	LT-U	N	N	Drying agent for shelf life stability
None found	No warnings found on HPD Priority lists					
This material cures in the presence of moisture and is bound in the polymer matrix. Prosoco has withheld the exact percentage content of this material						

to preserve Intellectual Property.						
DI(2-ETHYLHEXYL)ADIPATE (DEHA)	103-23-1	0.1 - 1 %	LT-P1	U	U	Component of various pigments
CANCER	EPA-C: (1986) Group C - Possible human carcinogen					
ENDOCRINE	TEDX: Potential Endocrine Disruptor					
This is a component of a raw material and will be bound in the polymer matrix.						
Dibutyltin dilaurate	77-58-7	0.1 - 1 %	LT-P1	N	N	Catalyst
MULTIPLE	SIN: Classified CMR (Carcinogen, Mutagen &/or Reproductive Toxicant) (also in VwVwS)					
This catalyst is required to initiate cross-linking of the polymer in the presence of moisture. This material is classified as a PBT, but is bound in the polymer matrix upon curing.						
METHYLTRIMETHOXYSILANE	1185-55-3	0.1 - 1 %	LT-U	N	N	Drying agent for shelf life stability
None found	No warnings found on HPD Priority lists					
This material cures in the presence of moisture and is bound in the polymer matrix. Prosoco has withheld the exact percentage content of this material to preserve Intellectual Property.						
Iron oxide	1317-61-9	0.1 - 1 %	LT-U	N	N	Pigment
CANCER	MAK: Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification					
This pigment will be bound in the chemical matrix and is not available in respirable form.						
Undisclosed (Undisclosed yellow pigment)	Undisclosed	0.1 - 1 %		U	U	pigment
None found	No warnings found on HPD Priority lists					
The exact identity of this pigment has been withheld by the supplier. It is does not appear on any U.S. priority lists and is not anticipated to be a GreenScreen Benchmark 1 chemical. It will be bound in the polymer matrix.						
BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDINYL) SEBACATE	52829-07-9	R	LT-P1			Unknown
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
This material will be bound in the polymer matrix.						
2-(2H-BENZOTRIAZOL-2-YL)-4,6-DITERTPENTYLPHENOL	25973-55-1	R	LT-1			Unknown
PBT	OSPAR: PBT - Substance of Possible Concern					
MULTIPLE	VwVwS: Class 2 Hazard to Waters					
This material will be bound in the polymer matrix.						
QUARTZ	14808-60-7	R	LT-1			Contaminant
CANCER	IARC: Group 1: Agent is carcinogenic to humans - inhaled from occupational sources (also in NIOSH-C, MAK, NTP-RoC, Prop 65)					
This is a component of limestone based calcium carbonate. It cannot be liberated from the polymer or cured polymer matrix in respirable form.						

CERTIFICATIONS AND COMPLIANCE

Certifying Party = First: Manufacturer’s self-declaration; Second: Verification by trade association or other interested party; Third: Verification by independent certifier (ideal).
Applicable facilities = Manufacturing sites to which testing applies.

Type	Standard or Certification			Certifier or Laboratory
	Certifying Party	Issue Date	Expiry Date	Certificate URL
	Applicable Facilities			
	Notes			
VOC Emissions	N/A			
VOC Content	Not tested			
Recycled Content	Not tested			
Other				

ACCESSORY MATERIALS

This section is for additional products required by warranty or recommended by the manufacturer for installation (such as adhesives, fasteners, or factory coatings) or for maintenance, cleaning, or operations. Refer to Health Product Declarations, published separately, for a complete view of these products. Note: This declaration is not intended to address hazards of the installation process.

Required or Recommended Product	URL for Companion Health Product Declaration
Condition when required or recommended and/or other notes	

NOTES

This product is designed for exterior application to a building assembly as defined in LEED v4 EQ credits. Testing to the CDPH 01350 indoor air quality model would not be accurate or relevant for this application. It complies with CARB 2007 SCM VOC limits incorporated by reference in LEED v4 Healthcare and Schools exterior architectural coating credit language. This product has been evaluated by PROSOCO and its polymer supplier to verify conformance with the Living Building Challenge v2.1 Red List.