

Product Declaration

Health and Environmental

Prelude® XL® Suspension System



Suspension Systems

Prelude® XL®



Committed to Sustainability.

Armstrong World Industries is committed to delivering ceiling solutions that reduce the environmental impact of the buildings you create; from product design and raw material selection, to how our products are produced and delivered.

The products included in this declaration participate in the Living Building Challenge™ Declare program and are part of the Sustain™ family by Armstrong Ceilings, which is one of the highest performing environmental systems available today.

Inside the Armstrong Product Declaration you will find:

- Material ingredient reporting
- Ingredient screening
- VOC Emissions information
- Environmental certifications
- Performance attributes

Visit the Green Genie™ LEED® Calculator to research, calculate, and document Armstrong Ceiling and Wall Systems products environmental criteria.

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This product declaration (1) discloses the known ingredients in their raw material form and (2) provides building industry professionals and other third parties with a summary of environmental and ingredient information about this product. This declaration includes VOC emissions information, environmental certifications, and key performance attributes for the product.

Declaration Number:	APD-0005
Declaration Holder:	Armstrong World Industries
Product ID	Prelude® XL® Suspension System
CSI Master Format	09510 Acoustical Ceiling
Product Line	Prelude® XL® , Prelude XL High Recycled Content, and Prelude Plus XL for Exterior Applications
Product Website	armstrongceilings.com/sustain
Product Application	All commercial ceilings
Disclosure	All product ingredients known or reported (by a supplier) to be present in a concentration of at least 0.1% (1,000 ppm) or lower concentrations if required by OSHA hazard communications are set forth in the product ingredient table. The CASRN (Chemical Abstract Services Registration Number) is listed for reference. Proprietary ingredients are screened as indicated above, but the name and CASRN are not listed to protect proprietary information. All ingredients are screened against the regulatory and non-regulatory references set forth in the reference section.
APD Date of Issue:	May 1, 2016

Sustainability Information

PRODUCT LINE	TOTAL RECYCLED CONTENT	PRE-CONSUMER RECYCLED CONTENT	POST-CONSUMER RECYCLED CONTENT	LEED POINTS
Prelude XL HRC	61	11	50	56
Prelude XL, ML, Fireguard	30	7	23	27

VOC Emissions Information

Suspension systems are inherently non-emitting.

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Product Ingredients — Prelude® XL®, ML, Fire Guard™, HRC

The following table represents the ingredients that are in this product at concentrations of at least 1,000 ppm (0.1%). Each ingredient (including proprietary) was screened against the regulatory and non-regulatory references set forth below. When an ingredient is listed on a regulatory or non-regulatory reference, it is noted below with a (•). The results are based on the individual ingredient reviewed in its raw material state, and their inclusion on a reference list does not necessarily pertain to or represent the form of the ingredient in the final finished product.

				(•) NOTED IF INGREDIENT IS ON THE LIST								
INGREDIENT Listed in descending order based on % by weight.	CASRN	ROLE	% IN FINISHED PRODUCT	IARC ¹	REACH ²	NTP ³	OSHA ⁴	TRI ⁶ PBT	LIVING ⁷ BUILDING CHALLENGE RED LIST V3	GREEN ⁸ SCREEN	NOTES	
Substrate												
Galvanized Steel	65997-19-5	Core	95-99							LT-U		
Iron	7439-89-6	Core	95-99							LT-U		
Coatings												
Titanium Dioxide	13463-67-7	Pigment	.1 to .5	•			•			LT-1	Titanium dioxide is listed as a hazard in respirable form. Titanium dioxide is not in a respirable form in the final product.	
Polyester Resin	Proprietary	Binder	.1 to .5							Unknown		
methylated melamine	068002-20-0	Binder	.01 to .1							Unknown		
Methyl amyl ketone	110-43-0	Thinner	.01 to .1							LT-U		
Amorphous Silica	7631-86-9	Filler	.01 to .1							LT-1		
HFSN Aromatic Hydrocarbon	64742-95-6	Thinner	.01 to .1							LT-1		
1,2,4 trimethylbenzene	95-63-6	Thinner	.01 to .1							LT-P1		

References

The regulatory references include:

1. IARC – International Agency on the Research of Cancer Terminology
Group 1 – Carcinogenic to Humans
Group 2A – Probably Carcinogenic to Humans
Group 2B – Possibly Carcinogenic to Humans
Source: <http://monographs.iarc.fr/ENG/Classification/index.php>
2. REACH – Registration, Evaluation, Authorization and Restriction of Chemicals Substance of Very High Concern (SVHC) Authorization or Candidate List (as of the date of this declaration)
Source: <http://echa.europa.eu/addressing-chemicals-of-concern>
3. NTP – National Toxicology Program – Known Human Carcinogen and Reasonably Anticipated Carcinogen
Source: <http://ntp.niehs.nih.gov/?objectid=03C9AF75-E1BF-FF40-DBA9EC0928DF8B15>
4. OSHA – Occupational Safety and Health Administration Carcinogen list
Source: <https://www.osha.gov/SLTC/carcinogens/index.html>

5. Prop 65 – California Proposition 65 – Known to the state of California to cause cancer or reproductive toxicity
Source: http://oehha.ca.gov/prop65/prop65_list/Newlist.html
6. USEPA TRI – Toxic Release Inventory – Persistent, bioaccumulative, and toxic (PBT) chemicals – Known persistent, bioaccumulative, and toxic chemicals and compounds. Source: http://www.epa.gov/tri/trichemicals/pbt%20chemicals/pbt_chem_list.html
7. Living Building Challenge™ Red List V.3 – Was developed by the Cascadia Region Green Building Council and International Living Building Institute.
Source: <http://living-future.org/declare>
8. GreenScreen® – is a Chemical Hazard Assessment method developed by the Cleaner Production Action. The Pharos GreenScreen List Translator (LT) was used to screen and identify any Chemical of High Concern (LT-1). An LT-1 chemical score may be considered equivalent to a Benchmark 1 (BM1) chemical using the full GreenScreen method.
Source: <http://www.cleanproduction.org/Greenscreen.v1-2.php>

LEEDv4 Contribution

MRCredit: Building Disclosure and Optimization – Material Ingredients – Option 1

This Manufacturer Inventory meets the guidelines for this credit.

Certifications

Declare.