



WELL Building Standard™ V1 Contribution

Armstrong Flooring solutions can help today's green buildings be more resource efficient, and safer, healthier places to work. The below information demonstrates how Armstrong Flooring products contribute to the WELL Building Standard™.

AIR	
Feature	Intent and Contribution
<p>Feature 04: VOC Reduction PART 2: Interior Adhesives and Sealants</p> 	<p>The VOC content of all newly applied adhesives and sealants must meet all limits set by the following, as applicable:</p> <ul style="list-style-type: none"> a. California Department of Public Health (CDPH) Standard Method v1.2-2017 b. South Coast Air Quality Management District (SCAQMD) Rule 1168, June 2005. <p>Armstrong Flooring adhesives are tested and compliant with the California Department of Public Health Standard Test Method (CDPH v1.2) and most are third party certified by FloorScore® to comply with this standard.</p> <p>In addition, Armstrong Flooring adhesives comply with the SCAQMD Rule # 1168.</p>
<p>Feature 04: VOC Reduction PART 3: Flooring</p> 	<p>The VOC content of all newly installed flooring must meet all limits set by the following, as applicable:</p> <ul style="list-style-type: none"> a. California Department of Public Health (CDPH) Standard Method v1.1-2010. <p>Armstrong Flooring products are tested and compliant with the California Department of Public Health Standard Test Method (CDPH v1.2) and most are third party certified by FloorScore® to comply with this standard.</p>
<p>Feature 11: Fundamental Material Safety PART 1: Asbestos and Lead</p>	<p>All newly installed building materials contain no asbestos and no more than 100 ppm (by weight) added lead.</p> <p>Armstrong Flooring products meet these requirements.</p>
<p>Feature 25: Toxic Material Reduction PART 1: Flame Retardant Limitation</p>	<p>Halogenated flame retardants are limited in the following components to 0.01% (100 ppm) to the extent allowable by local code:</p> <ul style="list-style-type: none"> b. Flooring, ceiling tiles and wall coverings <p>Armstrong Flooring products do not contain halogenated flame retardants.</p>
<p>Feature 25: Toxic Material Reduction PART 2: Phthalate (plasticizers) Limitation</p>	<p>DEHP, DBP, BBP, DINP, DIDP or DNOP [often found in polyvinyl chloride (PVC)] are limited in the following components to 0.01% (100 ppm):</p> <ul style="list-style-type: none"> a. Flooring, including resilient and hard surface flooring and carpet. <p>Armstrong Flooring offers many ortho-phthalate free products that can contribute toward this feature.</p>
<p>Feature 28 Cleanable Environmental PART 2: Cleanability</p>	<p>The following requirements are met:</p> <ul style="list-style-type: none"> a. No permanent wall-to-wall carpeting is used; only removable rugs, removable carpet tiles or hard surfaces are allowed. <p>AHF Products is a leading manufacturer of resilient products across North America. We offer a full portfolio of hard surface solutions including LVT, VCT, Homogeneous Sheet and Heterogeneous Sheet.</p>
MIND	
Feature	Intent and Contribution
<p>Feature 88 Biophilia I – Qualitative</p>	<p>Creating an interior environment that nurtures the innate human-nature connection. Provide a plan which address 3 parts: Nature Incorporation, Pattern Incorporation and Nature Interaction.</p> <p>Armstrong Flooring offers products that feature design and color inspired by nature.</p>

<p>Feature 97 Material Transparency PART 1: Material Information</p>	<p>At least 50% (as measured by dollar value) of interior finishes and finish materials, furnishings (including workstations) and built-in furniture have one of the following material descriptions:</p> <ul style="list-style-type: none"> a. Declare Label. b. Health Product Declaration. c. Any method accepted in LEED v4 MR credit's "Building product disclosure and optimization - material ingredients" credit, Option 1: material ingredient reporting. <p>Armstrong Flooring publishes HPDs on the HPDC repository and provides Declare labels for select products.</p>
<p>Feature 97 Material Transparency PART 2: Accessible Information</p>	<p>The following condition is met: All declaration information is compiled and made readily available to occupants either digitally or as part of a printed manual.</p> <p>Armstrong Flooring publishes HPDs on the HPDC repository and provided Declare labels for select products. Additionally, all certification can be found at www.armstrongflooring.com/transparency</p>
<p>FEATURE 99 Beauty and Design II PART 3: Spatial Familiarity</p>	<p>Artwork can be used to establish wayfinding, aid in orientation and provide spatial familiarity. The following requirements are met:</p> <ul style="list-style-type: none"> b. Single regularly occupied spaces >4000 ft² are visually grouped into 2 or more zones through the use of at least 2 or 3 of the following unifying design elements: (i) lighting, (ii) furniture color and (iii) flooring pattern/color. <p>Armstrong Flooring products can be used to establish wayfinding, aid in orientation, and provide spatial familiarity.</p>

WELL Building Standard™ V2 Contribution

MATERIALS	
Feature	Intent and Contribution
<p>X01: Material Restrictions PART 1</p>	<p>Newly installed resilient flooring does not contain over 1,000 ppm of asbestos by weight or area.</p> <p>Armstrong resilient flooring products meet this requirement.</p>
<p>X05: Enhanced Materials Restrictions PART 2</p>	<p>At least 50% by cost of newly installed products under the classes listed below, as defined by Appendix X1 (minimum 10 distinct products), meet the following requirements, unless higher amounts are mandated by local code:</p> <p>Flooring products contain 100 ppm (0.01%) by weight or less of the following:</p> <ul style="list-style-type: none"> a. Halogenated flame retardants (HFR) b. Per- and polyfluoroalkyl substances (PFAS) c. Orthophthalates <p>Armstrong Flooring offers products that are free of halogenated flame retardants, PFAS and ortho-phthalates.</p>
<p>X06: VOC Restrictions PART 2</p>	<p>The VOC content of at least 90% of all newly installed flooring must meet all limits set by the following, as applicable:</p> <ul style="list-style-type: none"> a. California Department of Public Health (CDPH) Standard Method V1.2-2017. <p>Armstrong Flooring products are tested and compliant with the California Department of Public Health Standard Test Method (CDPH v1.2) and most are third party certified by FloorScore® to comply with this standard.</p>

<p>X07: Materials Transparency PART 1: Select Products with Disclosed Ingredients</p>	<p>Disclosed Ingredients (1000 ppm)</p> <p>For at least 50% by count or 25 distinct, permanently installed products (including flooring, insulation, wet-applied products, ceiling and wall assemblies and systems) and furniture, ingredients are disclosed by the manufacturer, a disclosure organization or a third party through one of the following:</p> <ol style="list-style-type: none"> A Declare label A Health Product Declaration (HPD) published in the HPD Public Repository, A Cradle-to-Cradle Certified™ product with a Gold or Platinum Material Health Certificate A Product Health Declaration operated by Global Green Tag. A manufacturer’s inventory containing CAS numbers of all individual compounds down to 1,000 ppm (0.1%). If the product contains a trade secret compound, GHS hazards of category 1 or 2 are listed and a concentration range is provided for each undisclosed component. <p>Armstrong Flooring provides material transparency through HPDs, Declare labels, and Product Health Declarations.</p>
<p>X07: Materials Transparency PART 2: Enhanced Material Disclosure (100 ppm)</p>	<p>Enhanced Material Disclosure (100 ppm)</p> <p>For at least 15 distinct permanently installed products, the following requirements are met: a) All ingredients are disclosed down to 100 ppm and b) All ingredients are publicly disclosed through one of the following:</p> <ul style="list-style-type: none"> • Declare label • Health Product Declaration (HPD) published on the HPD repository. • Manufacturer’s disclosure and/or through a third-party materials database platform. <p>Armstrong Flooring publishes HPDs on the HPD repository and provides Declare labels for select products.</p>
<p>X07: Materials Transparency PART 3: Third Party Verified</p>	<p>Third Party Verified</p> <p>For at least 15 distinct permanently installed products, the following requirements are met:</p> <ol style="list-style-type: none"> All ingredients are disclosed to 100 ppm Ingredient disclosure is verified by a third party <p>Armstrong Flooring publishes third party verified ingredient disclosures for select products.</p>
<p>X08: Material Optimization PART 1: Materials Selection</p>	<p>For at least 25 distinct permanently installed products (including flooring, insulation, wet-applied products, ceiling and wall assemblies and systems) and furniture, the following requirements are met:</p> <p>Have ingredients inventoried to 100 ppm and meet one of the following:</p> <ul style="list-style-type: none"> • Product is free of compounds listed in the Living Building Challenge’s Red List v.4.0 • Product meets the chemical thresholds in the Cradle to Cradle Basic Level Restricted Substances List, version 4.4 • Product does not contain compounds listed in REACH Restriction, Authorization and SHVC lists. • Product meets an optimization path listed under ‘Advanced Inventory & Assessment’ in Option 2 of LEED v4.1 credit ‘Building Product Disclosure and Optimization - Material Ingredients’. <p>Armstrong Flooring offers products that are free of chemicals found on LBC’s “red-list” or on REACH Restriction and Authorization and SHVC lists.</p>

MIND	
Feature	Feature Intent and Contribution
<p>M02: Nature and Place Part 1: Access to Nature</p>	<p>Provide a narrative explaining how the project integrates the following throughout the space, including common circulation routes, shared seating areas and rooms:</p> <ol style="list-style-type: none"> Natural materials, patterns, shapes, colors, images or sounds. <p>Armstrong Flooring offers products that feature design and color inspired by nature.</p>

<p>M02: Nature and Place Part 2: Provide Connection to Place</p>	<p>The project integrates design elements that address the following:</p> <ul style="list-style-type: none"> a. Celebration of culture b. Celebration of place c. Integration of art and d. Human delight <p>Armstrong Flooring products provide the ability to create these elements.</p>
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COMMUNITY

Feature	Feature Intent and Contribution
<p>C13: Accessibility and Universal Design</p>	<p>Considers best practices in universal design to accommodate a diverse range of occupant abilities and needs by implementing at minimum one design, operations or policy strategy in each of the following categories (note: only categories related to flooring are listed)</p> <p>Developmental and intellectual health: strategies that use color, texture, images and other multi-sensory visually perceptible information</p> <p>Wayfinding: strategies that help individuals intuitively navigate through the project (e.g., signage, tactile maps, symbols, auditory cues, information systems).</p> <p>Safety: strategies that support easy access to all spaces and amenities and minimize risk of injury, confusion or discomfort (e.g., lighting or clear sightlines to increase feelings of security)</p> <p>Armstrong Flooring products can be used to establish wayfinding, aid in orientation, and provide spatial familiarity.</p>