

Armacell Product Information Applicable to LEED Version 4

The table below displays sections of *LEED v4 for Building Design and Construction* where points can be earned by using Armacell products.

Updated: August 17, 2022

Elastomeric Insulation Products :	AP ArmaFlex[®], AP ArmaFlex[®] SA, AP ArmaFlex[®] FS, AP ArmaFlex[®] Lap Seal, AP CoilFlex[®], AP SpiralFlex[®], AP ArmaFlex[®] Duct Liner, AC Accoflex, ProFlex[®], UT SolaFlex, ArmaFlex Shield
LEED Category	EA Prerequisite: Minimum Energy Performance Required
Requirement	Compliance with the mandatory provisions of ANSI/ASHRAE/IESNA Standard 90.1–2019, with errata (or a USGBC-approved equivalent standard for projects outside the U.S.)
Armacell Position	Requirements met if thickness installed according to ASHRAE 90.1-2019
LEED Category	EA Credit: Optimize Energy Performance
Requirement	Achieve levels of energy performance beyond the prerequisite standard
Armacell Position	Armacell products can contribute to increased energy performance beyond the prerequisite when installed at a greater thickness than required by ASHRAE 90.1-2019
LEED Category	MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials
Requirement	Products sourced (extracted, manufactured and purchased) within 100 miles (160 km) of the project site are valued at 200% of their base contributing cost
Armacell Position	Manufacturing location: Mebane, NC
LEED Category	MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials, Option 2. Leadership Extraction Principles
Requirement	Products purchased from a manufacturer (producer) that participates in an extended producer responsibility program
Armacell Position	Armacell is a member of the UN Global Compact
LEED Category	MR Credit: Building Product Disclosure and Optimization – Material Ingredients, Option 2: Material Ingredient Optimization
Requirement	International Alternative Compliance Path – REACH Optimization. End use products and materials that do not contain substances that meet REACH criteria for substances of very high concern. If the product contains no ingredients listed on the REACH Authorization or Candidate list, value at 100% of cost.
Armacell Position	Products do not contain any REACH substances of very high concern
LEED Category	EQ Prerequisite: Minimum Acoustic Performance for Schools
Requirement	Achieve a maximum background noise level of 40 dBA from heating, ventilating, and air-conditioning (HVAC) systems in classrooms and other core learning spaces.
Armacell Position	Armacell duct lining products significantly reduce noise due to HVAC systems
LEED Category	EQ Credit: Low-Emitting Materials
Requirement	Building products must be tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.2–2017, using the applicable exposure scenario.
Armacell Position	Products are GreenGuard Gold Certified to exceed the requirements of CDPH Standard Method V1.2-2017

LEED Category	EQ Credit: Indoor Air Quality Assessment, Option 2
Requirement	Demonstrate that airborne particulates do not exceed 50 µg/m ³ or 20 µg/m ³ for healthcare facilities.
Armacell Position	Armacell products do not particulate. Therefore, they will not contribute to any particulate in the air.
LEED Category	EQ Credit: Acoustic Performance (NC, Data Centers, Warehouse and Distribution Centers, Hospitality)
Requirement	Achieve maximum background noise levels from heating, ventilating, and air conditioning (HVAC) systems per 2011 ASHRAE Handbook, HVAC Applications, Chapter 48, Table 1; AHRI Standard 885-2008, Table 15; or a local equivalent.
Armacell Position	Armacell duct lining products significantly reduce noise due to HVAC systems
LEED Category	EQ Credit: Acoustic Performance (Schools)
Requirement	Achieve a background noise level of 35 dBA or less from heating, ventilating, and air-conditioning (HVAC) systems in classrooms and other core learning spaces.
Armacell Position	Armacell duct lining products significantly reduce noise due to HVAC systems
LEED Category	EQ Credit: Acoustic Performance (Healthcare)
Requirement	Design the facility to meet the 2010 FGI Guidelines, Table 1.2-2 Minimum-Maximum Design Criteria for Noise in representative interior rooms and spaces.
Armacell Position	Armacell duct lining products significantly reduce noise due to HVAC systems

Polyethylene Insulation Products:	Arcticflex[®], Fonowave[®], Imcoa[®], Imcoa[®] SS, Imcoa[®] W SS, Thermacel[®], Tubolit[®], Tubolit[®] SS, Tubolit[®] W SS, Tundra and Tundra SS
LEED Category	EA Prerequisite: Minimum Energy Performance Required
Requirement	Compliance with the mandatory provisions of ANSI/ASHRAE/IESNA Standard 90.1–2019, with errata (or a USGBC-approved equivalent standard for projects outside the U.S.)
Armacell Position	Requirements met if thickness installed according to ASHRAE 90.1-2019
LEED Category	EA Credit: Optimize Energy Performance
Requirement	Achieve levels of energy performance beyond the prerequisite standard
Armacell Position	Armacell PE products can contribute to increased energy performance beyond the prerequisite when installed at a greater thickness than required by ASHRAE 90.1-2019
LEED Category	MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials
Requirement	Products sourced (extracted, manufactured and purchased) within 100 miles (160 km) of the project site are valued at 200% of their base contributing cost
Armacell Position	Manufacturing location: Yukon, OK
LEED Category	MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials, Option 2: Leadership Extraction Principles
Requirement	Products purchased from a manufacturer (producer) that participates in an extended producer responsibility program
Armacell Position	Armacell is a member of the UN Global Compact



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LEED Category	MR Credit: Building Product Disclosure and Optimization – Material Ingredients, Option 2: Material Ingredient Optimization
Requirement	International Alternative Compliance Path – REACH Optimization. End use products and materials that do not contain substances that meet REACH criteria for substances of very high concern. If the product contains no ingredients listed on the REACH Authorization or Candidate list, value at 100% of cost.
Armacell Position	Products do not contain any REACH substances of very high concern
LEED Category	EQ Credit: Low-Emitting Materials
Requirement	Building products must be tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.2–2017, using the applicable exposure scenario.
Armacell Position	Products are GreenGuard Gold Certified to exceed the requirements of CDPH Standard Method V1.2-2017
LEED Category	EQ Credit: Indoor Air Quality Assessment, Option 2
Requirement	Demonstrate that airborne particulates do not exceed 50 µg/m ³ or 20 µg/m ³ for healthcare facilities.
Armacell Position	Armacell products do not particulate. Therefore, they will not contribute to any particulate in the air.
LEED Category	EQ Credit: Acoustic Performance (Healthcare)
Requirement	Design the facility to meet the 2010 FGI Guidelines, Table 1.2-2 Minimum-Maximum Design Criteria for Noise in representative interior rooms and spaces.
Armacell Position	Fonowave reduces noise due to wastewater pipes by up to 11 dBA

Product Names:	Armaflex® 520 Adhesive & Armaflex® 520 Black Adhesive
LEED Category	MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials
Requirement	Products sourced (extracted, manufactured and purchased) within 100 miles (160 km) of the project site are valued at 200% of their base contributing cost
SCAQMD Rule 1168Armacell Position	Manufacturing location: Bourbonnais, IL

Product Name:	Armaflex[®] 520 BLV Adhesive
LEED Category	EQ Credit: Low-Emitting Materials
Requirement	Building products must be tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.2–2017, using the applicable exposure scenario.
Armacell Position	Armaflex 520 BLV meets the requirements of CDPH Standard Method V1.2-2017. MAS Green Certified
LEED Category	EQ Credit: Low-Emitting Materials
Requirement	All adhesives and sealants wet-applied on site must meet the applicable chemical content requirements of SCAQMD Rule 1168, Oct 6, 2017 (≤ 80 g/L)
Armacell Position	Armaflex 520 BLV VOC = 0 g/L (meets SCAQMD Rule 1168). MAS Green Certified.
LEED Category	MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials
Requirement	Products sourced (extracted, manufactured and purchased) within 100 miles (160 km) of the project site are valued at 200% of their base contributing cost
Armacell Position	Manufacturing location: East Brunswick, NJ 08816

Product Name:	Low VOC Spray Adhesive (SP 80)
LEED Category	EQ Credit: Low-Emitting Materials
Requirement	Building products must be tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.2–2017, using the applicable exposure scenario.
Armacell Position	SP 80 is GreenGuard Gold Certified to exceed the requirements of CDPH Standard Method V1.2-2017
LEED Category	EQ Credit: Low-Emitting Materials
Requirement	All adhesives and sealants wet-applied on site must meet the applicable chemical content requirements of SCAQMD Rule 1168, Oct 6, 2017 (≤ 80 g/L)
Armacell Position	SP 80 VOC = 2.5 g/L (meets SCAQMD Rule 1168)
LEED Category	MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials
Requirement	Products sourced (extracted, manufactured and purchased) within 100 miles (160 km) of the project site are valued at 200% of their base contributing cost
Armacell Position	Manufacturing location: Rockland, MA

Product Name:	ArmaFlex WB Finish
LEED Category	EQ Credit: Low-Emitting Materials
Requirement	All adhesives and sealants wet-applied on site must meet the applicable chemical content requirements of SCAQMD Rule 1113, February 5, 2016 (≤ 50 g/L)
Armacell Position	ArmaFlex WB Finish meets the requirements of SCAQMD Rule 1113 with VOC of 35.1 g/l
LEED Category	MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials
Requirement	Products sourced (extracted, manufactured and purchased) within 100 miles (160 km) of the project site are valued at 200% of their base contributing cost
Armacell Position	Manufacturing location: Media, PA