



CONTRIBUTION OF NORA® PRODUCTS
TO LEED v4

nora®

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The information in this brochure relates to the LEED v4 rating system as of 2018.

Introduction

This comprehensive guide contains all the relevant information you need about nora products and the LEED v4 rating system. It was developed to make the process of LEED v4 assessments easier and more effective for you.

At nora® we take sustainability seriously – and not only at corporate level. We see transparency of environmental data as our responsibility to support green building.

We understand that collecting the documentation required for planning, construction and certification is time-consuming. In order to support your efforts, on the following pages we have included details on the sections of the LEED v4 rating system nora products can contribute to. We've also included links and product-specific documentation to accompany your submittals so you have everything you need all in one place.

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Materials & Resources

Building Product Disclosure and Optimization Environmental Product Declarations (EPD)

Option 1:	Environmental Product Declaration (EPD)
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Intent

To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts.

Requirements

Use at least 20 different permanently installed products sourced from at least five different manufacturers that disclose environmental product declarations (EPD) that meet one of the disclosure criteria below:

- Product-specific declaration (1/4 point)
- Industry-wide (generic) EPD (1/2 point)
- Product-specific Type III EPD (1 point)

nora® Contribution

nora® has product-specific, Type III, third party certified EPDs for their standard noraplan and norament floor coverings.

Submittal Documentation

nora®'s product-specific, third-party verified EPDs which conform to ISO 14025 and EN 15804, can be downloaded using the following links:

US EPD:
www.ul.com

EU EPD:
www.ibu-epd.com



Building Product Disclosure and Optimization Sourcing of Raw Materials

Option 2:	Leadership Extraction Practices
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Intent

To encourage the use of products and materials for which life cycle information is available and that have environmentally, economically, and socially preferable life cycle impacts. To reward project teams for selecting products verified to have been extracted or sourced in a responsible manner.

Requirements

Use permanently installed building products that meet at least one responsible extraction criteria:

- Extended producer responsibility
- Bio-based materials
- Certified wood products
- Materials reuse
- Recycled content

nora® Contribution

Various nora® products contain considerable preconsumer recycled content. Recycled content is the sum of postconsumer recycled content plus one-half the preconsumer recycled content, based on cost.

Please refer to the table on pages 10/11 for the recycled content of specific products.

Submittal Documentation

Product-specific recycled content as mentioned in the table on pages 10/11.

Building Product Disclosure and Optimization Material Ingredients

Option 1:	Material Ingredient Reporting
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Intent

To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To reward project teams for selecting products for which the chemical ingredients in the product are inventoried using an accepted methodology and for selecting products verified to minimize the use and generation of harmful substances.

Requirements

Option 1: Material Ingredient Reporting

Use at least 20 different permanently installed products from at least five different manufacturers that publish the chemical inventory of the product to at least 0.1% (1000 ppm) using one of the USGBC approved programs, including published Health Product Declarations (HPDs) in compliance with the Health Product Declaration Open Standard.

nora® Contribution

Option 1: Material Ingredient Reporting

nora has published HPDs in compliance with the Health Product Declaration Open Standard for standard noraplan and norament floor coverings.

Submittal Documentation

Documentation with tables on pages 10/11. Published Health Product Declarations (HPDs) are available in the Health Product Declaration Public Repository <https://www.hpd-collaborative.org/hpd-public-repository/>

Building Product Disclosure and Optimization Material Ingredients

Option 2:	Material Ingredient Optimization
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Intent

To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To reward project teams for selecting products for which the chemical ingredients in the product are inventoried using an accepted methodology and for selecting products verified to minimize the use and generation of harmful substances.

Requirements

Use products that document their material ingredient optimization using the paths below for at least 25%, by cost, of the total value of permanently installed products in the project.

- **GreenScreen v1.2 Benchmark.** Products must have ingredients to 100 ppm assessed with the GreenScreen List Translator and have no Benchmark 1 hazards. Products that have any ingredients assessed with the GreenScreen List Translator are valued at 100% cost and products that have all ingredients assessed with the GreenScreen List Translator are valued at 150% cost.
- **Cradle to Cradle (C2C) Certified.** End use products are C2C Certified. Products will be valued as follows: C2C v2 Gold: 100% of cost; C2C v2 Platinum: 150% of cost; C2C v3 Silver: 100% of cost; C2C v3 Gold or Platinum: 150% of cost
- **International Compliance Path – REACH Optimization.** End use products and materials that contain no ingredients listed on the REACH Authorization or Candidate list are valued at 100% of cost.

nora® Contribution

Cradle to Cradle (C2C) Certified

nora has Cradle to Cradle (C2C) v3.1 Silver Certification for standard norament products.

International Compliance Path REACH Optimization

All nora products are free of ingredients listed on the REACH Authorization or Candidate list.

Submittal Documentation

Documentation with tables on pages 10/11.

Cradle to Cradle (C2C) Certificates are available on the Cradle to Cradle Products Innovation Institute website at <https://www.c2ccertified.org/products/registry>

Construction and Demolition Waste Management

Option 1:	Diversions
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Intent

To reduce construction and demolition waste disposed of in landfills and incineration facilities by recovering, reusing, and recycling materials.

Requirements

Recycle and/or salvage nonhazardous construction and demolition materials. Calculations can be by weight or volume but must be consistent throughout.

- Path 1: Divert 50% and Three Material Streams
Divert at least 50% of the total construction and demolition material; diverted materials must include at least three material streams.
- Path 2: Divert 75% and Four Material Streams
Divert at least 75% of the total construction and demolition material; diverted materials must include at least four material streams.

nora® Contribution

The nora® Take-Back Program for waste and scrap material from recent installations of new nora flooring and accessories can contribute to obtaining points under this credit.

Submittal Documentation

Details about the nora Take-Back Program can be found at www.nora.com



Indoor Environmental Quality

Low-Emitting Materials

Option 1:	Product Category Calculations
Option 2:	Budget Calculation Method

Intent

To reduce concentrations of chemical contaminants that can damage air quality, human health, productivity, and the environment.

Requirements

This credit details requirements for volatile organic compound (VOC) emissions into indoor air and the VOC content of materials, as well as the testing methods by which indoor VOC emissions are determined. Different materials must meet different requirements to be considered compliant for this credit.

Category	Emissions and Content Requirements
Flooring	<ul style="list-style-type: none"> General Emissions Evaluation
Interior adhesives and sealants applied on-site (including flooring adhesive)	<ul style="list-style-type: none"> General Emissions Evaluation VOC content requirements for wet-applied products

nora® Contribution

nora®'s Greenguard Gold certifications demonstrate compliance with California Department of Public Health (CDPH) Standard Method v1.1-2010 and the General Emissions Evaluation requirement of this credit. Alternatively, projects outside the U.S. can also use nora flooring with Blue Angel certification as it is compliant with the German AgBB Testing and Evaluation System (2010).

In addition, all adhesives meet VOC content requirements of local regulations, including SCAQMD in the U.S. and the European Decopaint Directive (2004/42/EC).

Please refer to the table on pages 10/11 for the compliance of any specific product.

Submittal Documentation

Documentation with tables on pages 10/11.

Greenguard Gold Certifications:
www.greenguard.org

Blue Angel Certifications:
www.blauer-engel.de

General Emissions Evaluation:

Building products must be tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.1-2010. Alternatively, projects outside the U.S. can use products tested and deemed compliant with the German AgBB Testing and Evaluation Scheme (2010).

VOC Content Requirements for Wet-Applied Products:

In addition to meeting the general requirements for VOC emissions (above), on-site wet-applied products must not contain excessive levels of VOCs in order to protect the health of installers and other tradesworkers who are exposed to these products. To demonstrate compliance adhesives and sealants must meet the applicable chemical content requirements of the South Coast Air Quality Management District (SCAQMD) Rule 1168; alternatively, for projects outside the U.S., all adhesives and sealants must either meet the technical requirements of SCAQMD or comply with applicable national VOC control regulations, such as the European Decopaint Directive (2004/42/EC).



Contribution of nora® products to LEED v4

		Materials & Resources						Indoor Environment Quality			
		Building product disclosure and optimization					Construction and demolition waste management (6)	General Emissions Evaluation		VOC Content Requirements	
		environmental product declarations	sourcing of raw materials	material ingredient reporting				Greenguard Gold (7)	Blue Angel (8)	SCAQMD (9)	European Decopaint Directive (10)
N. America	International	Option 1 EPD (1)	Option 2 Leadership extraction practices-recycled content (2)	Option 1 HPD (3)	Option 2 C2C (4)	Option 2 REACH (5)					
norament®											
	926	●		●	●	●	●		●		
	825					●	●				
grano	926 grano	●		●	●	●	●	●	●		
satura	926 satura	●		●	●	●	●	●	●		
arago	926 arago	●		●	●	●	●	●	●		
	round/ hammered/ jubilee					●	●	●			
noraplan®											
eco	eco	●		●		●	●	●	●		
lona	lona	●		●		●	●	●	●		
sentica	sentica	●		●		●	●	●	●		
environcare	signa	●		●		●	●	●	●		
stone	stone	●		●		●	●	●	●		
	uni					●	●	●	●		
unita	unita	●		●		●	●	●	●		
	ultra grip					●	●	●	●		
valua	valua	●		●		●	●	●	●		
stairtreads/skirtings/wall base											
norament round/ hammered	norament 926	●		●		●	●	●	●		
norament satura	norament 926 satura	●		●		●	●	●	●		
norament grano	norament 926 grano	●		●		●	●	●	●		
	nora skirtings					●	●	●	●		
nora wall base							●	●	●		
special qualities											
norament											
920						●	●	●	●		
992	992		50%			●	●	●	●		
992 grano	992 grano		50%			●	●	●	●		
grano ed	ed (928, 928 grano)					●	●	●	●		
	ec (927 grano)					●	●	●	●		
xp/ xp trac						●	●	●	●		
noraplan											
acoustic (environcare, sentica)	acoustic (sentica, signa, stone)		22%			●	●	●	●		
	ec (astro)					●	●	●	●		
ed (environcare, sentica)	ed (sentica, signa, stone)					●	●	●	●		
adhesives/ primer/ filler											
nora® 385/485/685						●	●	●	●		
nora® 585						●	●	●	●		
	nora® hybrid 310					●	●	●	●		
	nora® fiber 410/ ESD 414					●	●	●	●		
nora® profix/ stepfix/ dryfix	nora® profix/ stepfix					●	●	●	●	●	
nora® nTx	nora® nTx					●	●	●	●	●	
	nora® primer					●	●	●	●	●	
	nora® 2-K primer					●	●	●	●	●	
	nora® primer plus					●	●	●	●	●	
	nora® level compound					●	●	●	●	●	
	nora® level compound FA					●	●	●	●	●	
	nora® level compound SF					●	●	●	●	●	

- (1) nora® product specific, type III, 3rd party certified environmental product declaration (EPD) that conforms to ISO 14025 and EN 15804
- (2) pre-consumer recycled content
- (3) Health Product Declaration v2.1 available in HPD Public Repository – <https://www.hpd-collaborative.org/hpd-public-repository/>
- (4) Cradle to Cradle (C2C) v3.1 Silver Certified
- (5) nora® flooring is in compliance with REACH requirements as they do not contain substances on the authorization or candidate lists
- (6) nora® Take-Back Program
- (7) Greenguard Gold certified and compliant with California Department of Public Health (CDPH) Standard Method v1.1-2010 and General Emissions Evaluation
- (8) Blue Angel certified and in compliance with the German AgBB Testing and Evaluation Scheme (2010) and General Emissions Evaluation
- (9) adhesives in compliance with the South Coast Air Quality Management District (SCAQMD) Rule 1168 and wet-applied VOC content requirements
- (10) adhesives in compliance with European Decopaint Directive (2004/42/EC) and wet-applied VOC content requirements

For more information www.nora.com

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