

Product Declaration - LEED® v4 Building Design and Major Renovations

| | |
|-------------------------|---|
| MANUFACTURER | GEGGUS GmbH |
| PRODUCT NAME | Entrance mat TOP CLEAN - ribbed carpet |
| PRODUCT CHARACTERISTICS | Premium Barrier Matting Systems - German made |



GEGGUS GmbH
Höhefeldstraße 56-60
76356 Weingarten (Baden)
Deutschland

| Product Rating | | | |
|--|---|-----------------------|-------------------------|
| LEED Category | LEED Credit | max. influenced score | Degree of fulfillment % |
| <ul style="list-style-type: none"> For the product exists an EPD which can be used for the calculation of the Life-Cycle Assessment of the building under MR Credit 1 Building Life-Cycle Impact Reductions / Option 4. The product contributes toward satisfying MR Credit 2 "BPDO - Environmental Product Declarations" under LEED. The product contributes toward satisfying MR Credit 3 "BPDO - Sourcing of Raw Materials" under LEED. The product contributes toward satisfying MR Credit 4 "BPDO - Material Ingredients" under LEED. | | | |
| Materials & Ressources | Credit 1: Building Life-Cycle Impact Reductions (Option 4: LCA) | 1-3 Points | 69.5% |
| | Credit 2: BPDO - Environmental Product Declarations | 1-2 Points | |
| | Option 1: Environmental Product Declaration | 1 Point | 69.5% |
| | Option 2: Multi-Attribute Optimization | 1 Point | 0% |
| | Credit 3: BPDO - Sourcing of Raw Materials | 1-2 Points | |
| | Option 1: Raw Material Source and Extraction Reporting | 1 Point | 0% |
| | Option 2: Leadership Extraction Practices | 1 Point | 95.7% |
| | Credit 4: BPDO - Material Ingredients | 1-2 Points | |
| | Option 1: Material Ingredient Reporting | 1 Point | 0% |
| | Option 2: Material Ingredient Optimization | 1 Point | 100% |
| Option 3: Product Manufacturer Supply Chain Optimization | 1 Point | 0% | |
| Indoor Environmental Quality | Credit 2: Low Emitting Materials | 1-3 Points | 0% |

About LEED & Products - www.usgbc.org

This declaration helps to assess products easily according to the certification system LEED® v4 Building Design and Major Renovations (excluded HEALTHCARE and SCHOOLS). Products are not reviewed or certified by LEED. LEED credit requirements cover the performance of materials in aggregate, not the performance of individual products or brands. For more information about LEED visit www.usgbc.org/leed. The project team or the manufacturer is responsible to declare the compliance with the project requirements to achieve LEED points. Below you find an explanation of the symbols. Detailed information are on the next pages.



Product helps to achieve the LEED point in the Credit

22%

X% of the product contributes toward satisfying the credit



Credit is not applicable to this product



Required data not specified - for required data contact manufacturer



Credit requirements are not fulfilled

MR Credit 1: Building Life-Cycle Impact Reductions (Option 4: LCA)

Intent

To encourage adaptive reuse and optimize the environmental performance of products and materials.

Requirement

Environmental Product Declaration (EPD) can be used in Credit "MR 1: Building Life-Cycle Impact Reductions" in Option 4 "Whole-Building Life-Cycle Assessment" for the calculation of the Life-Cycle Assessment of the building. If no EPD exists, generic datasets will be used.

Detailed Rating

| No. | General Information | | | Option 4: | Compliance |
|-----|--|--------------|----------|--------------------------------------|------------|
| | Product name | Manufacturer | Mass [%] | Whole-Building Life-Cycle Assessment | |
| | Entrance mat TOP CLEAN - ribbed carpet | GEGGUS GmbH | 100% | see components | ✓ |
| A1 | Aluminium profile | GEGGUS GmbH | 69.5% | For the product exists an EPD. | ✓ |
| A2 | Stainless steel wire rope | GEGGUS GmbH | 0.7% | not specified | — |
| A3 | EPDM profile spacing | GEGGUS GmbH | 0.7% | not specified | — |
| A4 | TPE extruded profile for noise reduction | GEGGUS GmbH | 12.3% | not specified | — |
| A5 | PE-foam for noise reduction | GEGGUS GmbH | 1% | not specified | — |
| A6 | Ribbed carpet (PP) | GEGGUS GmbH | 10.9% | not specified | — |
| A7 | Hotmelt (PO) for ribbed carpet | GEGGUS GmbH | 4.9% | not specified | — |

MR Credit 2: BPDO - Environmental Product Declarations

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 from manufacturers who have verified improved environmental life-cycle impacts.

Requirement

Achieve one or more of the options below, for a maximum of 2 points.

Option 1: Environmental Product Declaration (1 Point)

Use at least 20 different permanently installed products sourced from at least five different manufacturers, for which an Environmental Product Declaration exist.

Proof - weighted value [%]:

- Product-specific declaration - 25 %
- Industry-wide (generic) EPD - 50 %
- Product-specific Type III EPD - 100 %

Option 2: Multi-Attribute Optimization (1 Point)

50 % of all materials (based on the material costs of the project) must be less than the industry average in terms of environmental emissions. Third party certified products that demonstrate impact reduction below industry average in at least three of the following categories are valued at 100 % of their cost for credit achievement calculations.

- global warming potential (greenhouse gases), in CO₂e;
- depletion of the stratospheric ozone layer, in kg CFC-11;
- acidification of land and water sources, in moles H⁺ or kg SO₂;
- eutrophication, in kg nitrogen or kg phosphate;
- formation of tropospheric ozone, in kg NO_x or kg ethene;
- and depletion of nonrenewable energy resources, in MJ.

Regional products (within 160 km = 100 Miles) are double-weighted.

Detailed Rating

| No. | General Information | | | Option 1: Environmental Product Declaration | | Option 2: Multi-Attribute Optimization | |
|-----|--|--------------|----------|---|-----------------------------------|--|--------------|
| | Product name | Manufacturer | Mass [%] | EPD Program Operator | EPD Type - Weighted Value [%] | Third Party Certification Program ** | Location * |
| | Entrance mat TOP CLEAN - ribbed carpet | GEGGUS GmbH | 100% | see components | see components | not specified *** | see location |
| A1 | Aluminium profile | GEGGUS GmbH | 69.5% | ift Rosenheim GmbH | Industry-wide (generic) EPD - 50% | not specified *** | see location |
| A2 | Stainless steel wire rope | GEGGUS GmbH | 0.7% | not specified | not specified | not specified *** | see location |
| A3 | EPDM profile spacing | GEGGUS GmbH | 0.7% | not specified | not specified | not specified *** | see location |
| A4 | TPE extruded profile for noise reduction | GEGGUS GmbH | 12.3% | not specified | not specified | not specified *** | see location |
| A5 | PE-foam for noise reduction | GEGGUS GmbH | 1% | not specified | not specified | not specified *** | see location |
| A6 | Ribbed carpet (PP) | GEGGUS GmbH | 10.9% | not specified | not specified | not specified *** | see location |
| A7 | Hotmelt (PO) for ribbed carpet | GEGGUS GmbH | 4.9% | not specified | not specified | not specified *** | see location |

* see explanation "Location Valuation Factor" on page 10

** Demonstrate impact reduction below industry average

*** Evidence is verified by: not specified

MR Credit 3: BPDO - Sourcing of Raw Materials 1/2

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.

Requirement

Achieve one or more of the options below, for a maximum of 2 points.

Option 1: Raw Material Source and Extraction Reporting (1 Point)

Use at least 20 different permanently installed products sourced from at least five different manufacturers, who published a sustainability report of their suppliers.

- Manufacturer declared corporate sustainability report - 50 %
- Third-party verified corporate sustainability report (CSR) according to Global Reporting Initiative (GRI) Sustainability Report, Organisation for Economic Cooperation and Development (OECD) Guidelines for Multinational Enterprises, U.N. Global Compact: Communication of Progress or ISO 26000: 2010 Guidance on Social Responsibility - 100 %

Option 2: Leadership Extraction Practices (1 Point)

25 % of all materials (based on the material costs of the project) must have at least an extended producer responsibility (closed loop or take back program) or are made from SAN certified bio-based materials, FSC certified wood, recycling materials (post-consumer recycled content plus one-half of the pre-consumer content), salvaged or reused materials.

Detailed Rating

| No. | General Information | | | Option 1: Raw Material Source and Extraction Reporting |
|-----|---|--------------|----------|---|
| | Product name | Manufacturer | Mass [%] | Corporate Sustainability Report Type - Weighted Value [%] |
| | Entrance mat TOP CLEAN - ribbed carpet | GEGGUS GmbH | 100% | not specified |
| | percentage influential degree (weighted contribution) | | | 0% |
| A1 | Aluminium profile | GEGGUS GmbH | 69.5% | not specified |
| A2 | Stainless steel wire rope | GEGGUS GmbH | 0.7% | not specified |
| A3 | EPDM profile spacing | GEGGUS GmbH | 0.7% | not specified |
| A4 | TPE extruded profile for noise reduction | GEGGUS GmbH | 12.3% | not specified |
| A5 | PE-foam for noise reduction | GEGGUS GmbH | 1% | not specified |
| A6 | Ribbed carpet (PP) | GEGGUS GmbH | 10.9% | not specified |
| A7 | Hotmelt (PO) for ribbed carpet | GEGGUS GmbH | 4.9% | not specified |

MR Credit 3: BPDO - Sourcing of Raw Materials 2/2
Detailed Rating

| No. | General Information | | | Option 2: Leadership Extraction Practices | | | | | | |
|---|--|--------------|----------|--|-----------|------------|---------------------------|-------------------|------------------|--------------|
| | Product name | Manufacturer | Mass [%] | Extended Producer Responsibility - Content [%] | SAN [%]** | FSC [%]*** | Salvaged material [%]**** | Post-Consumer [%] | Pre-Consumer [%] | Location * |
| | Entrance mat TOP CLEAN - ribbed carpet | GEGGUS GmbH | 100% | 50% | 0% | 0% | 0% | 45.4% | 0.3% | see location |
| percentage influential degree (weighted contribution) | | | 95.7% | | | | | | | |
| A1 | Aluminium profile | GEGGUS GmbH | 69.5% | 100% | 0% | 0% | 0% | 65% | 0% | see location |
| A2 | Stainless steel wire rope | GEGGUS GmbH | 0.7% | 100% | 0% | 0% | 0% | 25% | 0% | see location |
| A3 | EPDM profile spacing | GEGGUS GmbH | 0.7% | 100% | 0% | 0% | 0% | 0% | 0% | see location |
| A4 | TPE extruded profile for noise reduction | GEGGUS GmbH | 12.3% | 100% | 0% | 0% | 0% | 0% | 0% | see location |
| A5 | PE-foam for noise reduction | GEGGUS GmbH | 1% | 100% | 0% | 0% | 0% | 0% | 0% | see location |
| A6 | Ribbed carpet (PP) | GEGGUS GmbH | 10.9% | 100% | 0% | 0% | 0% | 0% | 5% | see location |
| A7 | Hotmelt (PO) for ribbed carpet | GEGGUS GmbH | 4.9% | 100% | 0% | 0% | 0% | 0% | 0% | see location |

* see explanation "Location Valuation Factor" on page 10

** SAN certified Content [%]

*** FSC certified Content [%]

**** Content of reused and salvaged materials [%]

MR Credit 4: BPDO - Material Ingredients

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. To reward raw material manufacturers who produce products verified to have improved life-cycle impacts.

Requirement

Achieve one or more of the options below, for a maximum of 2 points.

Option 1: Material Ingredient Reporting (1 Point)

Use at least 20 different permanently installed products sourced from at least five different manufacturers, which published reports or data sheets with all ingredients.

Proofs (Weighted Value 100 %):

- Manufacturer Inventory
- Health Product Declaration (HPD)
- Cradle to Cradle (Cradle to Cradle v2 Basic or Cradle to Cradle v3 Bronze)

Option 2: Material Ingredient Optimization (1 Point)

25 % of all materials (based on the material costs of the project) must be certified by Green Screen, Cradle to Cradle or REACH.

- GreenScreen v1.2 List Translator - 100 %
- GreenScreen v1.2 Assessment - 150 %
- Cradle to Cradle v2 Gold - 100 %
- Cradle to Cradle v2 Platinum - 150 %
- Cradle to Cradle v3 Silver - 100 %
- Cradle to Cradle v3 Gold or Platinum - 150 %
- REACH - 100 %

Option 3: Product Manufacturer Supply Chain Optimization (1 Point)

25 % of all materials (based on the material costs of the project) are sourced from product manufacturers who engage in validated and robust safety, health, hazard, and risk programs and are sourced from product manufacturers with independent third party verification of their supply chain (e.g. ISO 14001 & OHSAS 18000).

Detailed Rating

| No. | General Information | | | Option 1: Material Ingredient Reporting | Option 2: Material Ingredient Optimization | Option 3: Product Manufacturer Supply Chain Optimization | Location * |
|-----|--|--------------|----------|--|---|---|-----------------|
| | Product name | Manufacturer | Mass [%] | Type of Reporting | Certification Program Weighted Value [%] | | |
| | Entrance mat TOP CLEAN - ribbed carpet | GEGGUS GmbH | 100% | not specified | REACH 100% | not specified | see location |
| A1 | Aluminium profile | GEGGUS GmbH | 69.5% | not specified | REACH 100% | not specified | see location |
| A2 | Stainless steel wire rope | GEGGUS GmbH | 0.7% | not specified | REACH 100% | not specified | see location |
| A3 | EPDM profile spacing | GEGGUS GmbH | 0.7% | not specified | REACH 100% | not specified | see location |
| A4 | TPE extruded profile for noise reduction | GEGGUS GmbH | 12.3% | not specified | REACH 100% | not specified | see location |
| A5 | PE-foam for noise reduction | GEGGUS GmbH | 1% | not specified | REACH 100% | not specified | see location |
| A6 | Ribbed carpet (PP) | GEGGUS GmbH | 10.9% | not specified | REACH 100% | not specified | see location |
| A7 | Hotmelt (PO) for ribbed carpet | GEGGUS GmbH | 4.9% | not specified | REACH 100% | not specified | see location |

* see explanation "Location Valuation Factor" on page 10

EQ Credit 2: Low Emitting Materials 1/4

Intent

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

Requirement

This credit includes requirements for product manufacturing as well as project teams. It covers 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 | Requirement |
|---|--|
| Interior paints and coatings applied on site | <ul style="list-style-type: none"> • General Emissions Evaluation for paints and coatings applied to walls, floors, and ceilings • VOC content requirements for wet applied products |
| 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 |
| Flooring | <ul style="list-style-type: none"> • General Emissions Evaluation |
| Composite wood | <ul style="list-style-type: none"> • Composite Wood Evaluation Proof: ultra-low-emitting formaldehyde (ULEF), no added formaldehyde resins (NAUF) or salvaged and reused wood |
| Ceilings, walls, thermal, and acoustic insulation | <ul style="list-style-type: none"> • General Emissions Evaluation |
| Furniture (include in calculations if part of scope of work) | <ul style="list-style-type: none"> • Furniture Evaluation Proof: ANSI/BIFMA e3-2011 §7.6.1, ANSI/BIFMA e3-2011 §7.6.2, CDPH Standard Method v1.1-2010 or salvaged or reused furniture |

Detailed Rating

| No. | General Information | | | Option 1: Product Category Calculations | Option 2: Budget Calculation Method | | Inherently Nonemitting | |
|-----|---|--------------------|-------------|--|--|------------------------------|---------------------------|--|
| | Product name | Manufacturer | Mass [%] | Category | Assembly Type | Emissions Criteria | | |
| | Entrance mat TOP CLEAN - ribbed carpet | GEGGUS GmbH | 100% | see below | | | | |
| A1 | Aluminium profile | GEGGUS GmbH | 69.5% | Flooring | Flooring | General Emissions Evaluation | Yes | |
| A2 | Stainless steel wire rope | GEGGUS GmbH | 0.7% | Flooring | Flooring | General Emissions Evaluation | Yes | |
| A3 | EPDM profile spacing | GEGGUS GmbH | 0.7% | Flooring | Flooring | General Emissions Evaluation | No | |
| A4 | TPE extruded profile for noise reduction | GEGGUS GmbH | 12.3% | Flooring | Flooring | General Emissions Evaluation | No | |
| A5 | PE-foam for noise reduction | GEGGUS GmbH | 1% | Flooring | Flooring | General Emissions Evaluation | No | |
| A6 | Ribbed carpet (PP) | GEGGUS GmbH | 10.9% | Flooring | Flooring | General Emissions Evaluation | No | |
| A7 | Hotmelt (PO) for ribbed carpet | GEGGUS GmbH | 4.9% | Flooring | Flooring | General Emissions Evaluation | No | |

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EQ Credit 2: Low Emitting Materials 2/4

Detailed Rating

| No. | General Information | | | General Emissions Evaluation | | VOC Content | | | | Compliance | |
|-----|---|--------------------|-------------|---|-------------------------------|------------------|-------------------------|---------------------|------------------|------------|----------|
| | Product name | Manufacturer | Mass [%] | Criteria Met | TVOC Range after 14 days | Regulation | Product Type | VOC [g/l] Allowable | VOC [g/l] Actual | | |
| | Entrance mat TOP CLEAN - ribbed carpet | GEGGUS GmbH | 100% | see below | | | | | | | — |
| A1 | Aluminium profile | GEGGUS GmbH | 69.5% | not specified | not specified | N/A | N/A | N/A | N/A | — | |
| A2 | Stainless steel wire rope | GEGGUS GmbH | 0.7% | not specified | not specified | N/A | N/A | N/A | N/A | — | |
| A3 | EPDM profile spacing | GEGGUS GmbH | 0.7% | not specified | not specified | N/A | N/A | N/A | N/A | — | |
| A4 | TPE extruded profile for noise reduction | GEGGUS GmbH | 12.3% | not specified | not specified | N/A | N/A | N/A | N/A | — | |
| A5 | PE-foam for noise reduction | GEGGUS GmbH | 1% | not specified | not specified | N/A | N/A | N/A | N/A | — | |
| A6 | Ribbed carpet (PP) | GEGGUS GmbH | 10.9% | AgBB Testing and Evaluation Scheme (2010) ***** | 0.5 mg/m ³ or less | N/A | N/A | N/A | N/A | — | |
| A7 | Hotmelt (PO) for ribbed carpet | GEGGUS GmbH | 4.9% | not specified | not specified | SCAQMD Rule 1168 | Indoor carpet adhesives | 50 g/l | < 1 g/l | — | |

Other remarks on classification

*****118/5000

The formaldehyde limit according to RAL UZ 128 is ≤ 0.02 ppm after 28 days. A detailed value is not available.

EQ Credit 2: Low Emitting Materials 3/4

Detailed Rating

| No. | General Information | | | Composite Wood | | | | | | Compliance |
|-----|---|--------------------|-------------|------------------|--|--|--|--|--|------------|
| | Product name | Manufacturer | Mass [%] | Criteria Met | | | | | | |
| | Entrance mat TOP CLEAN - ribbed carpet | GEGGUS GmbH | 100% | see below | | | | | | ○ |
| A1 | Aluminium profile | GEGGUS GmbH | 69.5% | N/A | | | | | | ○ |
| A2 | Stainless steel wire rope | GEGGUS GmbH | 0.7% | N/A | | | | | | ○ |
| A3 | EPDM profile spacing | GEGGUS GmbH | 0.7% | N/A | | | | | | ○ |
| A4 | TPE extruded profile for noise reduction | GEGGUS GmbH | 12.3% | N/A | | | | | | ○ |
| A5 | PE-foam for noise reduction | GEGGUS GmbH | 1% | N/A | | | | | | ○ |
| A6 | Ribbed carpet (PP) | GEGGUS GmbH | 10.9% | N/A | | | | | | ○ |
| A7 | Hotmelt (PO) for ribbed carpet | GEGGUS GmbH | 4.9% | N/A | | | | | | ○ |

EQ Credit 2: Low Emitting Materials 4/4

Detailed Rating

| No. | General Information | | | Furniture | Compliance |
|-----|--|--------------|----------|--------------|-----------------------|
| | Product name | Manufacturer | Mass [%] | Criteria Met | |
| | Entrance mat TOP CLEAN - ribbed carpet | GEGGUS GmbH | 100% | see below | <input type="radio"/> |
| A1 | Aluminium profile | GEGGUS GmbH | 69.5% | N/A | <input type="radio"/> |
| A2 | Stainless steel wire rope | GEGGUS GmbH | 0.7% | N/A | <input type="radio"/> |
| A3 | EPDM profile spacing | GEGGUS GmbH | 0.7% | N/A | <input type="radio"/> |
| A4 | TPE extruded profile for noise reduction | GEGGUS GmbH | 12.3% | N/A | <input type="radio"/> |
| A5 | PE-foam for noise reduction | GEGGUS GmbH | 1% | N/A | <input type="radio"/> |
| A6 | Ribbed carpet (PP) | GEGGUS GmbH | 10.9% | N/A | <input type="radio"/> |
| A7 | Hotmelt (PO) for ribbed carpet | GEGGUS GmbH | 4.9% | N/A | <input type="radio"/> |

Location Valuation Factor

Information

Several credits in the MR section include a location valuation factor, which adds value to locally produced products and materials. The intent is to incentivize the purchase of products that support the local economy. Products and materials that are extracted, manufactured, and purchased within 100 miles (160 kilometers) of the project are valued at 200 % of their cost. For a product to qualify for the location valuation factor, it must meet two conditions: all extraction, manufacture, and purchase (including distribution) of the product and its materials must occur within that radius, and the product (or portion of an assembled product) must meet at least one of the sustainable criteria (e.g. FSC certification, recycled content) specified in the credit. Products and materials that do not meet the location criteria but do meet at least one of the sustainability criteria are valued 100 % of their cost (i.e. the valuation factor is 1).

The distance must be measured as the crow flies, not by actual travel distance. The point of purchase is considered the location of the purchase transaction. For online or other transactions that do not occur in person, the point of purchase is considered the location of product distribution.

Detailed Rating

| No. | General Information | | | Location | | |
|-----|--|--------------|----------|---|---------------|-----------------------------------|
| | Product name | Manufacturer | Mass [%] | Extraction | Manufacture | Purchase (including distribution) |
| | Entrance mat TOP CLEAN - ribbed carpet | GEGGUS GmbH | 100% | Double weighting depends on building site | | |
| A1 | Aluminium profile | GEGGUS GmbH | 69.5% | not specified | not specified | not specified |
| A2 | Stainless steel wire rope | GEGGUS GmbH | 0.7% | not specified | not specified | not specified |
| A3 | EPDM profile spacing | GEGGUS GmbH | 0.7% | not specified | not specified | not specified |
| A4 | TPE extruded profile for noise reduction | GEGGUS GmbH | 12.3% | not specified | not specified | not specified |
| A5 | PE-foam for noise reduction | GEGGUS GmbH | 1% | not specified | not specified | not specified |
| A6 | Ribbed carpet (PP) | GEGGUS GmbH | 10.9% | not specified | not specified | not specified |
| A7 | Hotmelt (PO) for ribbed carpet | GEGGUS GmbH | 4.9% | not specified | not specified | not specified |

Notice:

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