

Greenline WC cubicle systems D-Basic, NiUU, C-Basic & Cronus

Sustainability Data Sheet As of February 2022

System Description Kemmlit Greenline / Greenline Plus

The WC cubicle systems are suitable for dry (D-Basic, NiUU) and wet rooms (C-Basic, Cronus).

Various standard door dimensions and individually selectable wall and door heights.

The Greenline cubicle systems are made from 70% PEFC-certified wood-based materials.

For Greenline Plus cubicles 100% PEFC-certified wood-based materials are guaranteed.

The Cronus cubicle can also be in glass with VSG and ESG quality (single-pane safety glass) for delivery.

The details include aluminum profiles, hinges, handle sets made of nylon, aluminum or stainless steel, metal locks, and cubicle feet with a stainless steel core.



System Components Greenline / Greenline Plus

The following materials are used for the construction of the WC cubicles under consideration.

1. Melamine-faced chipboard or HPL solid core panels with 70% PEFC certification
Greenline Plus = 100% PEFC)
2. Aluminum profiles, powder-coated or naturally anodized (E6/EV1)
3. Cubicle feet with stainless steel core
4. Two- or three-roller edge hinges made of aluminum with a stainless steel core
5. Push or pull knob made of nylon, aluminum or stainless steel
6. Metal locks
7. ABS edges
8. Assembly aids for bonding and sealing (acrylic & silicone sealant)

Greenline WC partition systems D-Basic, NiUU, C-Basic & Cronus

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DGNB Building Certification (V2018) Criteria and Product Sustainability

The following DGNB criteria are to be considered for KEMMLIT WC partition systems or excluded as not relevant:

ECO1.1 Life Cycle Assessment

Currently still valid Environmental Product Declarations (EPD) for individual components used are (as of 2022) not available.

Ökobaudat characteristic values for the used wood-based materials and aluminum profiles are available.

Product characteristic values (kg/m²):

Decorative panel (D-Basic / NiUU): 600 kg/m³

HPL solid core panels (C-Basic / Cronus): 1,400 kg/m³

ENV1.2 Risks for the Local Environment
Aluminum profile

Anodized (Kärmer + Eckert)

Powder coating, heavy metal & VOC-free (Interpon D1036 or IGP Duramix or Alesta AP or Woeralit W 806)

Acrylic/Silicone sealant

For DGNB projects, only the following sealants are commissioned:

- PTW Acryl 150
- PTW The Connection Joint Silicone

These sealants are free (<0.1% (M/M)) of KWS-plasticizers & chloroparaffins, low-VOC (<1% (M/M)) **and** EC1, EC1+ certified.

They comply with QS 4.

Formaldehyde Emissions Wood-based Materials. According to line 47a, wood-based materials used in the usable area are to be considered.

wood-based materials. Through low-formaldehyde wood-based materials, the achievement of the formaldehyde target values, halved since DGNB Version 2018, for room air is supported.

WC partition systems are not mentioned in line 47a. Therefore, no declaration is made here.

ENV1.3 Sustainable
Resource Extraction: Recycled Material

The value share of the WC partition systems, based on the building value, is below the significance threshold set by the DGNB for their consideration.

Therefore, no declaration is made here.

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DGNB Building Certification Criteria and Product Sustainability

ENV1.3 Sustainable Resource Extraction: Wood-based Materials	Kemmlit itself is not PEFC or FSC certified; only used for Greenline systems are at least 70% PEFC-certified wood-based materials from Fundermax.
Greenline	For DGNB projects, Kemmlit provides upon request the PEFC CoC certificates and the Fundermax delivery-notes are provided; Fundermax and Kemmlit additionally legally confirm that Kemmlit for the Greenline types exclusively uses 70% certified wood-based materials.
Greenline Plus	The Greenline Plus is available in 100% PEFC; for the special production, the wood-based materials are project commission with PEFC delivery note documented.
ECO1.1 Building Life Cycle Costs Product-specific	specific guarantees for durability (service life) are provided within the scope of usual warranty periods.
SOC1.2 Indoor Air Quality	In rooms with Kemmlit walls, no indoor air measurements are carried out.
SOC2.1 Accessibility	WC cubicle systems are generally not used in barrier-free sanitary rooms; if they are, this must be communicated to Kemmlit during planning.
TEC1.5 Ease of Cleaning	Cubicle partition walls can be designed without floor supports as partition walls with wall-to-floor connection (e.g., NiUU one); this must be communicated to Kemmlit during planning. Heavily used surfaces such as door handles can be made from materials that are particularly easy to clean and disinfection-resistant materials; HPL doors are less sensitive to fingerprints than glass partition-walls; appropriate planning support is offered by Kemmlit not only for DGNB projects.

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TEC1.6 Deconstruction and
Ease of Disassembly

Kemmlit walls are not used as standard building components and are therefore not to be considered.

Disassembly is carried out with simple tools; the metallic recyclables or glass elements are easily separable. The wood composite materials are thermally recycled.

Kemmlit DGNB Material Documentation for NDB:

Powder coating framework

Technical Data Sheet
Safety Data Sheet

Sealant(s)

Technical Data Sheet
Safety Data Sheet
Valid EC1+ Certificate
Current manufacturer's declaration regarding KWS plasticizers, chloroparaffins & VOC

Wood-based materials

Valid PEFC or FSC CoC certificate from the supplier

Greenline

PEFC delivery note for the wood-based materials used from the production period of the project commission
- with 70% PEFC quota,
- the CoC number from Fundermax and
- the indication of the wood-based material mass (kg) used

Legally binding declaration from Kemmlit regarding the minimum standard 70% PEFC for Greenline types

Legally binding confirmation from Fundermax that Kemmlit sources at least 70% certified wood-based materials.

Greenline Plus

PEFC delivery note for the project commission with a stated 100% PEFC quota, the mass (kg) and the CoC number from Fundermax