

**Produktdeklaration - DGNB Neubauversion Büro- und Verwaltungsgebäude (NBV15)**
**MANUFACTURER** Ramsauer GmbH & Co KG

**PRODUCT NAME** 1- and 2-component adhesives

**Product Rating DGNB Criteria**






- The product meets the requirements of quality level 1 to 4 and contributes to achieve 100 (of max. 100 achievable) checklist points according to criterion 'ENV1.2 Local Environmental Impact'.

**Criterion ENV 1.2 Risks for the Local Environment - Ecological Quality**
**Quality Level 1** 10 Checklist Points 
**Quality Level 2** 50 Checklist Points 
**Quality Level 3** 75 Checklist Points 
**Quality Level 4** 100 Checklist Point 
**Criterion ENV 1.3.1 Sustainable Resources - Ecological Quality\***
**Quality Level 1** 10 Checklist Points 
**Quality Level 2** 50 Checklist Points 
**Quality Level 3** 100 Checklist Points 

\* This criterion is only applicable to wooden materials.

**Product Characteristics**

Product names: Montage Kleber 630, Dicht Kleber 640, Flächen Kleber 645, Boden Kleber 650, Kraft Fix 655, Spiegel Kleber 660, 2-K-MS Kleber 690. High-performance adhesives for a variety of special applications and application areas. Detailed information please refer to the technical data sheets.

-  **Credit requirements fulfilled - the action level is achieved**
-  **Credit is not applicable to this product**
-  **22% X% of the product comply with the credit requirement**
-  **Required data not specified - for required data contact manufacturer**
-  **Credit requirements are not fulfilled**

**About DGNB Products - [www.dgnb.de](http://www.dgnb.de)**

This declaration helps to assess products easily according the certification system DGNB® Neubauversion Büro- und Verwaltungsgebäude (NBV15). Products are not reviewed or certified by DGNB. DGNB credit requirements cover the performance of materials in aggregate, not the performance of individual products or brands. Therefore the project team or the manufacturer is responsible to declare the compliance with the project requirements to achieve DGNB points.

Above you find an explanation of the symbols. Detailed information are on the next pages.

**Produktdeklaration - DGNB Neubauversion Büro- und Verwaltungsgebäude (NBV15)**

|                     |                              |
|---------------------|------------------------------|
| <b>MANUFACTURER</b> | Ramsauer GmbH & Co KG        |
| <b>PRODUCT NAME</b> | 1- and 2-component adhesives |

**Product assessment of complete system**

| Topic                                      | Number   | Criteria   | Relevance | Evaluation      |
|--|----------|--|-----------|-----------------|
| Environmental Quality (ENV)                | ENV1.1   | Life cycle Assessment - Emissions                  |           |                 |
|  | ENV1.2   | Local environmental impact                         | ✓         | Quality Level 4 |
|  | ENV1.3.1 | Responsible procurement (Wood)                     |           |                 |
|  | ENV1.3.3 | Responsible procurement (Natural Stone)            |           |                 |
|  | ENV2.1   | Life cycle Assessment - Primary Energy             |           |                 |
|  | ENV2.2   | Potable water demand and wastewater volume         |           |                 |
|  | ENV2.3   | Land Use   |           |                 |
| Economic Quality (ECO)                     | ECO1.1   | Building-related life-cycle costs                  |           |                 |
|  | ECO2.1   | Suitability for conversion                         |           |                 |
|  | ECO2.2   | Marketability                                      |           |                 |
| Sociocultural and Functional Quality (SOC) | SOC1.1   | Thermal Comfort                                    |           |                 |
|  | SOC1.2   | Indoor Air Quality                                 |           |                 |
|  | SOC1.3   | Acoustic Comfort                                   |           |                 |
|  | SOC1.4   | Visual Comfort                                     |           |                 |
|  | SOC1.5   | Occupant control                                   |           |                 |
|  | SOC1.6   | Quality of stay outdoor / indoor                   |           |                 |
|  | SOC1.7   | Safety   |           |                 |
|  | SOC2.1   | Access for all                                     |           |                 |
|  | SOC2.2   | Public access                                      |           |                 |
|  | TEC1.2   | Noise protection                                   |           |                 |
|  | TEC1.3   | Building envelope quality                          |           |                 |
|  | TEC1.4   | Adaptability of Technical Systems                  |           |                 |
|  | TEC1.5   | Ease of cleaning and maintenance                   |           |                 |
|  | TEC1.6   | Ease of dismantling and recycling                  |           |                 |
|  | TEC3.1   | mobility infrastructure                            |           |                 |
| Process Quality (PRO)                      | PRO1.1   | Project preparation and planning                   |           |                 |
|  | PRO1.3   | Conceptual design and optimization in the planning |           |                 |
|  | PRO1.4   | Sustainability aspects in tender phase             |           |                 |
|  | PRO1.5   | Documentation for Facility Management              |           |                 |
|  | PRO1.6   | Design and urban quality                           |           |                 |
|  | PRO2.1   | Environmental impact of construction               |           |                 |
|  | PRO2.2   | Construction quality assurance                     |           |                 |
|  | PRO2.3   | Systematic commissioning                           |           |                 |
| Site Quality (SITE)                        | SITE1.1  | Site location risks                                |           |                 |
|  | SITE1.2  | Public image and social conditions                 |           |                 |
|  | SITE1.3  | Access to transportation                           |           |                 |
|  | SITE1.4  | Access to specific-use facilities                  |           |                 |

**Produktdeklaration - DGNB Neubauversion Büro- und Verwaltungsgebäude (NBV15)**
**MANUFACTURER** Ramsauer GmbH & Co KG

**PRODUCT NAME** 1- and 2-component adhesives

**Product assessment for criteria ENV1.2 - Local environmental impact**

The product fulfills the requirements for Quality Level 1-4

 Assessment: **Quality Level 4**
**Goals and Relevance**

Certain materials, construction products and preparations are a risk for soil, air, groundwater and surface water as well as for human's health, flora and fauna. In order to minimize risks for humans and the local environment, materials, (construction) products and preparations need to be reduced, avoided or substituted, which due to their material properties or ingredients are a risk for surface and ground water, soil or air. Especially those materials, (construction) products and preparations must be reduced, avoided or replaced, which affect human health, flora and fauna or harm within a short-, medium / or long-term period. This affects the entire life cycle - from production, processing at site, use of (building) inventory and disposal (dismantling, recycling, landfilling). These local risks are assessed material and product related. Hence eco-and human toxicological impact categories of LCA can not be applied due to lack of evaluation and measurement procedures.

**Product Assessment**

|    | Relevant Products   | Requirements of Quality Levels  | Assessment of Product  | Evaluation             |
|----|---|---|--|------------------------|
| 11 | Baseboards, door rails, support glue (double floor or raised floor)<br><br>Not considered are areas of glass construction, facade and fire protection<br><br>Subject: sealants, sealants, adhesives for point and linear bonding of components in the interior. This refers to PU adhesive and silane-modified polymers (SMP) | Quality Level 1      GISCODE PU20<br><br>Quality Level 2      GISCODE PU20<br><br>Quality Level 3      GISCODE PU10 or<br>EMICODE EC1 or<br>EMICODE EC1-R or<br>EMICODE EC1 PLUS or<br>EMICODE EC1 PLUS -R<br><br>Use of silane-modified polymers<br>(SMP) or<br>GISCODE RS10 or<br>Quality Level 4      EMICODE EC1 or<br>EMICODE EC1-R or<br>EMICODE EC1 PLUS or<br>EMICODE EC1 PLUS -R | The products meet either the requirements for EMICODE or is SMP products.* | <b>Quality Level 4</b> |
| 12 | Small surface adhesions of mechanically loaded joints; not considered are areas of glass construction, facade and fire protection   | Quality Level 1      chlorinated paraffins <0.1%<br>Quality Level 2      chlorinated paraffins <0.1%<br>Quality Level 3      chlorinated paraffins <0.1%<br><br>Quality Level 4      chlorinated paraffins <0.1%,<br>solvents <1%, KWS plasticizer <0.1%  | Content of chlorinated paraffins <0.1%, solvent <1%, KWS softener <0.1%    | <b>Quality Level 4</b> |

**Produktdeklaration - DGNB Neubauversion Büro- und Verwaltungsgebäude (NBV15)**
**MANUFACTURER** Ramsauer GmbH & Co KG

**PRODUCT NAME** 1- and 2-component adhesives

| Relevant Products |  | Requirements of Quality Levels |  | Assessment of Product             | Evaluation             |
|-------------------|--|--------------------------------|--|-----------------------------------|------------------------|
| 13                | Mounting adhesives and sealants on the facade, windows and exterior doors (on site)<br><br>Subject:<br>An adhesive for producing the airtightness of the inside and outside of the facade. Eg PU, PU-hybrid, MS-polymer, SMP or the like.. | Quality Level 1                | No requirements  | Chlorinated paraffins & VOC < 1 % | <b>Quality Level 4</b> |
|                   |  | Quality Level 2                | No requirements  |                                   |                        |
|                   |  | Quality Level 3                | chlorinated paraffins & VOC < 1 %<br>or EMICODE EC1/ EC1PLUS,<br>EC1-R/EC1PLUS-R |                                   |                        |
|                   |  | Quality Level 4                | chlorinated paraffins & VOC < 1 %<br>or EMICODE EC1/ EC1PLUS,<br>EC1-R/EC1PLUS-R |                                   |                        |

**Other remarks on classification**

\* EMICODE is for the following products before: 630 Montagekleber, 640 Dichtkleber, 645

Flächenkleber, 650 Bodenkleber, 655 Kraft fix, 690 2K MS Kleber

For the following products is an SMP material: 640 Dichtkleber, 645 Flächenkleber, 655 Kraft fix, 660 Spiegelkleber

## Produktdeklaration - DGNB Neubauversion Büro- und Verwaltungsgebäude (NBV15)

|                     |                              |
|---------------------|------------------------------|
| <b>MANUFACTURER</b> | Ramsauer GmbH & Co KG        |
| <b>PRODUCT NAME</b> | 1- and 2-component adhesives |

## The product contains the following components:

Mass per  
unit [%]

K1 1- and 2-component adhesives

100%