

OTTOSEAL®**M 361**

Sustainability data sheet

Inspections/authorisations

- EMICODE® EC 1^{PLUS} – very low emission



- French VOC-emission class A+



- Declaration in “baubook” Austria

Information available from: www.baubook.info

- Environmental Product Declarations (EPD)

Declaration number: EPD-FEI-20220021-IBG1-EN

Building certification system**QNG - Quality Seal for Sustainable Buildings****Version 1.3**

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|-------------------------------|--|
| Criterion | Avoiding harmful substances in building materials |
| Overview table | 4. Adhesives and sealants - line 4.2 |
| Building product group | Adhesives and sealants processed on site based on PU, PU hybrid and SMP formulations (silane-modified polymers) in interior spaces |
| Requirements | Product documentation and declaration of contained SVHC >0.1 % and chlorinated paraffins, TCEP, PBB and PBDs ≤0.1 % and solvent-free or GISCODE PU10, PU20, PU40 (ALT) or PU50 (ALT) |
| Classification | Meets the requirements, as declaration of contained SVHC >0.1 % and chlorinated paraffins, TCEP, PBB und PBDE ≤0.1 % and solvent-free. |

QNG - Quality Seal for Sustainable Buildings

Version 1.3

| | |
|-------------------------------|---|
| Criterion | Avoiding harmful substances in building materials |
| Overview table | 4. Adhesives and sealants - line 4.3 |
| Building product group | Adhesives and sealants based on PU, PU hybrid, MS polymer or SMP (silane-modified polymers) for creating airtightness on façades, windows and exterior doors (inside and outside) |
| Requirements | Product documentation and declaration of contained SVHC >0.1 % and chlorinated paraffins, TCEP, PBB and PBDE ≤0.1 % |
| Classification | Meets the requirements, as declaration of contained SVHC >0.1 % and chlorinated paraffins, TCEP, PBB und PBDE ≤0.1 %. |

DGNB – Deutsche Gesellschaft für Nachhaltiges Bauen (German Sustainable Building Council)

Version 2023

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|---------------------------|--|--------------------------|--|--------------------|--|--------------------|--|---------------------------|--|
| Criterion | ENV 1.2 Risks for the local environment | | | | | | | | |
| Criteria matrix | line no. 11 | | | | | | | | |
| Product type | Sealing compounds, sealants, adhesives for dot and line-formed bonding of building components on the interior: <ul style="list-style-type: none">- mechanically stressed joints- baseboards- door rails- support adhesive (raised or hollow floor)- ventilation ducts <p>This refers to acrylic adhesives/bonding agents, silicone sealants, PU adhesives and silane-modified polymers (SMP).</p> | | | | | | | | |
| Requirements | <table><tr><td>Quality category 1 (low)</td><td>GISCODE PU10, PU20, RS10, DA20, DSE20, DSA20, DSO20 or DH20 and bonus points SVHC ≤0.1 %</td></tr><tr><td>Quality category 2</td><td>GISCODE PU10, PU20, RS10, DA20, DSE20, DSA20, DSO20 or DH20 and bonus points SVHC ≤0.1 %</td></tr><tr><td>Quality category 3</td><td>GISCODE PU10, PU20, RS10, DA20, DSE20, DSA20, DSO20 or DH20 and EMICODE® EC 1^{PLUS} and bonus points SVHC ≤0.1 %</td></tr><tr><td>Quality category 4 (high)</td><td>GISCODE PU10, PU20, RS10, DA20, DSE20, DSA20, DSO20 or DH20 and EMICODE® EC 1^{PLUS} and bonus points SVHC ≤0.1 %</td></tr></table> | Quality category 1 (low) | GISCODE PU10, PU20, RS10, DA20, DSE20, DSA20, DSO20 or DH20 and bonus points SVHC ≤0.1 % | Quality category 2 | GISCODE PU10, PU20, RS10, DA20, DSE20, DSA20, DSO20 or DH20 and bonus points SVHC ≤0.1 % | Quality category 3 | GISCODE PU10, PU20, RS10, DA20, DSE20, DSA20, DSO20 or DH20 and EMICODE® EC 1 ^{PLUS} and bonus points SVHC ≤0.1 % | Quality category 4 (high) | GISCODE PU10, PU20, RS10, DA20, DSE20, DSA20, DSO20 or DH20 and EMICODE® EC 1 ^{PLUS} and bonus points SVHC ≤0.1 % |
| Quality category 1 (low) | GISCODE PU10, PU20, RS10, DA20, DSE20, DSA20, DSO20 or DH20 and bonus points SVHC ≤0.1 % | | | | | | | | |
| Quality category 2 | GISCODE PU10, PU20, RS10, DA20, DSE20, DSA20, DSO20 or DH20 and bonus points SVHC ≤0.1 % | | | | | | | | |
| Quality category 3 | GISCODE PU10, PU20, RS10, DA20, DSE20, DSA20, DSO20 or DH20 and EMICODE® EC 1 ^{PLUS} and bonus points SVHC ≤0.1 % | | | | | | | | |
| Quality category 4 (high) | GISCODE PU10, PU20, RS10, DA20, DSE20, DSA20, DSO20 or DH20 and EMICODE® EC 1 ^{PLUS} and bonus points SVHC ≤0.1 % | | | | | | | | |
| Classification | Fulfills quality category 4 requirements with GISCODE DH20 and EMICODE® EC 1^{PLUS} and SVHC ≤0.1 %. | | | | | | | | |

DGNB – Deutsche Gesellschaft für Nachhaltiges Bauen (German Sustainable Building Council)

Version 2023

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|---------------------------|--|--------------------------|--|--------------------|--|--------------------|---|---------------------------|---|
| Criterion | ENV 1.2 Risks for the local environment | | | | | | | | |
| Criteria matrix | line no. 13 | | | | | | | | |
| Product type | Adhesive for air tightness of facades inside and outside: e.g. PU, PU Hybrid, MS Polymer, SMP, acrylate, silicone | | | | | | | | |
| Requirements | <table><tr><td>Quality category 1 (low)</td><td><0.1 % halogenated propellant and bonus points SVHC ≤0.1 %</td></tr><tr><td>Quality category 2</td><td><0.1 % halogenated propellant and bonus points SVHC ≤0.1 %</td></tr><tr><td>Quality category 3</td><td>Chlorinated paraffins (SCCPs + MCCPs + LCCPs) <0.1 % and halogenated propellant <0.1 % and EMICODE® EC 1^{PLUS} or VOC <1 % and bonus points SVHC ≤0.1 %</td></tr><tr><td>Quality category 4 (high)</td><td>Chlorinated paraffins (SCCPs + MCCPs + LCCPs) <0.1 % and halogenated propellant <0.1 % and EMICODE® EC 1^{PLUS} or VOC <1 % and bonus points SVHC ≤0.1 %</td></tr></table> | Quality category 1 (low) | <0.1 % halogenated propellant and bonus points SVHC ≤0.1 % | Quality category 2 | <0.1 % halogenated propellant and bonus points SVHC ≤0.1 % | Quality category 3 | Chlorinated paraffins (SCCPs + MCCPs + LCCPs) <0.1 % and halogenated propellant <0.1 % and EMICODE® EC 1 ^{PLUS} or VOC <1 % and bonus points SVHC ≤0.1 % | Quality category 4 (high) | Chlorinated paraffins (SCCPs + MCCPs + LCCPs) <0.1 % and halogenated propellant <0.1 % and EMICODE® EC 1 ^{PLUS} or VOC <1 % and bonus points SVHC ≤0.1 % |
| Quality category 1 (low) | <0.1 % halogenated propellant and bonus points SVHC ≤0.1 % | | | | | | | | |
| Quality category 2 | <0.1 % halogenated propellant and bonus points SVHC ≤0.1 % | | | | | | | | |
| Quality category 3 | Chlorinated paraffins (SCCPs + MCCPs + LCCPs) <0.1 % and halogenated propellant <0.1 % and EMICODE® EC 1 ^{PLUS} or VOC <1 % and bonus points SVHC ≤0.1 % | | | | | | | | |
| Quality category 4 (high) | Chlorinated paraffins (SCCPs + MCCPs + LCCPs) <0.1 % and halogenated propellant <0.1 % and EMICODE® EC 1 ^{PLUS} or VOC <1 % and bonus points SVHC ≤0.1 % | | | | | | | | |
| Classification | Fulfills quality category 4 requirements with chlorinated paraffins (SCCPs + MCCPs + LCCPs) <0.1 % and halogenated propellant <0.1 % and EMICODE® EC 1^{PLUS} and SVHC ≤0.1 %. | | | | | | | | |

DGNB – Deutsche Gesellschaft für Nachhaltiges Bauen (German Sustainable Building Council)**Version 2018**

| | | |
|------------------------|---|--|
| Criterion | ENV 1.2 Risks for the local environment | |
| Criteria matrix | line no. 11 | |
| Product type | Sealants, adhesives for dot and line-formed bonding of building components on the interior. This refers to PU adhesives and silane-modified polymers (SMP). | |
| Requirements | Quality category 1 (low) | GISCODE PU20 or RS10 |
| | Quality category 2 | GISCODE PU20 or RS10 |
| | Quality category 3 | GISCODE PU20 or RS10 and EMICODE® EC 1 or EC 1 ^{PLUS} |
| | Quality category 4 (high) | GISCODE PU20 or RS10 and EMICODE® EC 1 or EC 1 ^{PLUS} |
| Classification | Fulfills quality category 4 requirements with GISCODE RS10 and EMICODE® EC 1^{PLUS}. | |

DGNB – Deutsche Gesellschaft für Nachhaltiges Bauen (German Sustainable Building Council)**Version 2018**

| | | |
|------------------------|--|---|
| Criterion | ENV 1.2 Risks for the local environment | |
| Criteria matrix | line no. 12 | |
| Product type | Sealants, sealant compounds, adhesives for punctiform and linear bonding of interior components and ventilation ducts within buildings. This refers to acrylate sealants/adhesives, silicone sealants and SMP (hybrid sealants). | |
| Requirements | Quality category 1 (low) | – |
| | Quality category 2 | No chlorinated paraffins declared in the SDS |
| | Quality category 3 | Chlorinated paraffins <0.1 % |
| | Quality category 4 (high) | Chlorinated paraffins <0.1 %, solvents <1 % and PAH plasticisers <0.1 % |
| Classification | Fulfills quality category 4 requirements with chlorinated paraffins <0.1 %, solvents <1 % and PAH plasticisers <0.1 %. | |

DGNB – Deutsche Gesellschaft für Nachhaltiges Bauen (German Sustainable Building Council)**Version 2018**

| | | |
|------------------------|--|---|
| Criterion | ENV 1.2 Risks for the local environment | |
| Criteria matrix | line no. 13 | |
| Product type | Adhesive for air tightness of facades inside and outside: e.g. PU, PU Hybrid, MS Polymer, SMP or similar. | |
| Requirements | Quality category 1 (low) | <0.1 % halogenated propellant |
| | Quality category 2 | <0.1 % halogenated propellant |
| | Quality category 3 | Chlorinated paraffins <0.1 % and halogenated propellant <0.1 % and EMICODE® EC 1/EC 1 ^{PLUS} or VOC <1 % |
| | Quality category 4 (high) | Chlorinated paraffins <0.1 % and halogenated propellant <0.1 % and EMICODE® EC 1/EC 1 ^{PLUS} or VOC <1 % |
| Classification | Fulfills quality category 4 requirements with chlorinated paraffins <0.1 % and halogenated propellant <0.1 % and VOC <1 %. | |

BNB – Bewertungssystem Nachhaltiges Bauen (Rating System for Sustainable Building)

Version 2015

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|----------------------------------|---|--|
| Criterion | 1.1.6 Risks for the local environment | |
| Overview table | 6. Adhesives and sealants – line no. 8 | |
| Construction product type | Adhesives and sealants made of PU, SMP (silane-modified polymers), acrylate (including dispersion adhesives) or silicone for punctiform and linear bonding and sealing in the interior, including TGA. | |
| Requirements | Quality category 1 (low) | Documentation, declaration of contained SVHC >0.1 % and declaration of biocidal agents (if used). |
| | Quality category 2 | Declaration of biocidal agents (if used) and declaration of contained SVHC >0.1 % and chlorinated paraffins <0.1 %. For PU adhesives additionally applies: GISCODE PU10 or PU20 and TCEP <0.1 %. |
| | Quality category 3 | Declaration of biocidal agents (if used) and declaration of contained SVHC >0.1 % and chlorinated paraffins <0.1 %. For PU adhesives additionally applies: GISCODE PU10 or PU20 and TCEP <0.1 %. |
| | Quality category 4 | No amine- or oxime-interlacing silicones. Additionally applies: RAL-UZ 123 or EMICODE® EC 1/EC 1 ^{PLUS} and chlorinated paraffins <0.1 % and declaration of biocidal agents (if used) and declaration of contained SVHC >0.1 %. For PU adhesives additionally applies: TCEP <0.1 %. |
| | Quality category 5 (high) | No amine- or oxime-interlacing silicones. Additionally applies: RAL-UZ 123 or EMICODE® EC 1/EC 1 ^{PLUS} and chlorinated paraffins <0.1 % and declaration of biocidal agents (if used) and declaration of contained SVHC >0.1 %. For PU adhesives additionally applies: TCEP <0.1 %. |
| Classification | Fulfills the quality category 5 requirements as no amine- or oxime-interlacing silicone and EMICODE® EC 1^{PLUS} and declaration of biocidal agents (if used) and declaration of SVHC >0.1 % and chlorinated paraffins <0.1 %. | |

BNB – Bewertungssystem Nachhaltiges Bauen (Rating System for Sustainable Building)

Version 2015

| | | |
|----------------------------------|--|--|
| Criterion | 1.1.6 Risks for the local environment | |
| Overview table | 6. Adhesives and sealants – line no. 9 | |
| Construction product type | Adhesives and sealants for the airtightness of facades inside and outside: e. g. PU, PU hybrid, MS polymer, SMP, etc. for punctiform and linear bonding of components for the airtightness of facades, windows and external doors. | |
| Requirements | Quality category 1 (low) | Documentation and declaration of contained SVHC >0.1 %. |
| | Quality category 2 | Declaration of contained SVHC >0.1 % and chlorinated paraffins <0.1 %. For PU adhesives additionally applies: TCEP <0.1 %. |
| | Quality category 3 | Declaration of contained SVHC >0.1 % and chlorinated paraffins <0.1 %. For PU adhesives additionally applies: TCEP <0.1 %. |
| | Quality category 4 | Declaration of contained SVHC >0.1 % and chlorinated paraffins <0.1 % and EMICODE® EC 1/EC 1 ^{PLUS} or VOC < 10 g/l. For PU adhesives additionally applies: TCEP <0.1 %. |
| | Quality category 5 (high) | Declaration of contained SVHC >0.1 % and chlorinated paraffins <0.1 % and EMICODE® EC 1/EC 1 ^{PLUS} or VOC < 10 g/l. For PU adhesives additionally applies: TCEP <0.1 %. |
| Classification | Fulfills the quality category 5 requirements as declaration of contained SVHC >0.1 % and chlorinated paraffins <0.1 % and EMICODE® EC 1^{PLUS}. | |

Documentation documents

All the listed documents can be downloaded from www.otto-chemie.com

1. Technical data sheet
 2. Safety data sheet
 3. Sustainability data sheet
 4. Test certificates
 5. Environmental product declaration
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This information is based on our knowledge at the time of the compilation (see below). The current version can be viewed on our website at: www.otto-chemie.com. Furthermore, the information in the documents accompanying the products is applicable.
