

OTTOSEAL®**M 360**

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

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

Version 2015

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
	Quality category 2	GISCODE PU20
	Quality category 3	GISCODE PU10 and EMICODE® EC 1/EC 1 ^{PLUS}
	Quality category 4 (high)	Silane-modified polymer adhesives (SMP) GISCODE RS10 and EMICODE® EC 1/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 2015**

Criterion	ENV 1.2 Risks for the local environment
Criteria matrix	line no. 12
Product type	Sealants, adhesives for dot and line-formed bonding of building components on the interior and the TGA (Technical Building Equipment). This refers to acrylate sealants/adhesives, silicone sealants and SMP (hybrid sealants).
Requirements	Quality category 1 (low) Chlorinated paraffins <0.1 % Quality category 2 Chlorinated paraffins <0.1 % 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 2015**

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) – Quality category 2 – Quality category 3 Chlorinated paraffins <0.1 % and VOC <1 % or EMICODE® EC 1/EC 1 ^{PLUS} Quality category 4 (high) Chlorinated paraffins <0.1 % and VOC <1 % or EMICODE® EC 1/EC 1 ^{PLUS}
Classification	Fulfills quality category 4 requirements with chlorinated paraffins <0.1 % 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. 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}.

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 %.

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 EMICODE® EC 1^{PLUS}.

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. 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}.	

**Documents for
building certifications**

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

1. Technical data sheet
 2. Security data sheets
 3. Sustainability data sheet
 4. Inspection certificates
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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.



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(IVD)



INDUSTRIEVERBAND
KLEBSTOFFE E.V.
(IVK)



Sealants • Adhesives