OTTOSEAL® S 117

Sustainability data sheet

Inspections/authorisations

- EMICODE® EC 1PLUS – very low emission

- French VOC-emission class A+

- Environmental Product Declarations (EPD)

  Declaration number: EPD-DBC-20220180-IBF1-EN

Building certification system

QNG - Quality Seal for Sustainable Buildings

Version 1.3

Criterion	Avoiding harmful substances in building materials
Overview table	4. Adhesives and sealants - line 4.1
Building product group	Adhesives and sealants (acrylates and silicones) used on site indoors
Requirements	Product documentation and declaration of contained SVHC > 0.1 % and chlorinated paraffins ≤ 0.1 % and declaration of biocidal active substances in silicones
Classification	**Meets the requirements, as declaration of contained SVHC > 0.1 % and chlorinated paraffins ≤ 0.1 % and declaration of biocidal active substances in silicones.**

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SEALING & BONDING

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

Version 2023

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: - mechanically stressed joints - baseboards - door rails - support adhesive (raised or hollow floor) - ventilation ducts This refers to acrylic adhesives/bonding agents, silicone sealants, PU adhesives and silane-modified polymers (SMP).	
Requirements	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 1PLUS and bonus points SVHC ≤ 0.1 %
	Quality category 4 (high)	GISCODE PU10, PU20, RS10, DA20, DSE20, DSA20, DSO20 or DH20 and EMICODE® EC 1PLUS and bonus points SVHC ≤ 0.1 %
Classification	**Fulfills quality category 4 requirements with GISCODE DSO20 and EMICODE® EC 1PLUS and SVHC ≤ 0.1 %.**	

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

Version 2023

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	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 1PLUS.**	

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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 EMICODE® EC 1 PLUS.**	

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SEALING & BONDING

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 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 3 requirements because of declaration of biocidal agents (if used) and declaration of contained 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.**	

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SEALING & BONDING

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

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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