

**OTTOSEAL®****S 50**

Sustainability data sheet

## Inspections/authorisations



- 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

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

**Version 2023**

<b>Criterion</b>	ENV 1.2 Risks for the local environment	
<b>Criteria matrix</b>	line no. 11	
<b>Product type</b>	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).	
<b>Requirements</b>	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 <sup>PLUS</sup> and bonus points SVHC ≤0.1 %
	Quality category 4 (high)	GISCODE PU10, PU20, RS10, DA20, DSE20, DSA20, DSO20 or DH20 and EMICODE® EC 1 <sup>PLUS</sup> and bonus points SVHC ≤0.1 %
<b>Classification</b>	<b>Fulfills quality category 2 requirements with GISCODE DSE20 and SVHC ≤0.1 %.</b>	

**Version 2023**

<b>Criterion</b>	ENV 1.2 Risks for the local environment	
<b>Criteria matrix</b>	line no. 13	
<b>Product type</b>	Adhesive for air tightness of facades inside and outside: e. g. PU, PU Hybrid, MS Polymer, SMP, acrylate, silicone.	
<b>Requirements</b>	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 <sup>PLUS</sup> 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 <sup>PLUS</sup> or VOC <1 % and bonus points SVHC ≤0.1 %
<b>Classification</b>	<b>Fulfills quality category 4 requirements with chlorinated paraffins (SCCPs + MCCPs + LCCPs) &lt;0.1 % and halogenated propellant &lt;0.1 % and VOC &lt;1 % und SVHC ≤0.1 %.</b>	

**Version 2018**

<b>Criterion</b>	ENV 1.2 Risks for the local environment
<b>Criteria matrix</b>	line no. 12
<b>Product type</b>	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).
<b>Requirements</b>	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 %
<b>Classification</b>	<b>Fulfills the quality category 3 requirements with chlorinated paraffins &lt;0.1 %.</b>

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**BNB – Bewertungssystem Nachhaltiges Bauen (Rating System for Sustainable Building)****Version 2015**

<b>Criterion</b>	1.1.6 Risks for the local environment
<b>Overview table</b>	6. Adhesives and sealants – line no. 8
<b>Construction product type</b>	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.
<b>Requirements</b>	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 <sup>PLUS</sup> 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 <sup>PLUS</sup> 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 %.
<b>Classification</b>	<b>Fulfills the quality category 3 requirements because of declaration of biocidal agents (if used) and declaration of contained SVHC &gt;0.1 % and chlorinated paraffins &lt;0.1 %.</b>

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<b>Criterion</b>	1.1.6 Risks for the local environment	
<b>Overview table</b>	6. Adhesives and sealants – line no.9	
<b>Construction product type</b>	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.	
<b>Requirements</b>	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 <sup>PLUS</sup> 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 <sup>PLUS</sup> or VOC < 10 g/l. For PU adhesives additionally applies: TCEP <0.1 %.
<b>Classification</b>	<b>Fulfills the quality category 3 requirements as declaration of contained SVHC &gt;0.1 % and chlorinated paraffins &lt;0.1 %.</b>	
<b>Documentation documents</b>	All the listed documents can be downloaded from <a href="http://www.otto-chemie.com">www.otto-chemie.com</a>	
	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](http://www.otto-chemie.com). Furthermore, the information in the documents accompanying the products is applicable.

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