

**OTTOSEAL®****S 112**

Sustainability data sheet

**Inspections/authorisations**

- French VOC-emission class A+

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

Version 2015

<b>Criterion</b>	ENV 1.2 Risks for the local environment	
<b>Criteria matrix</b>	line no. 12	
<b>Product type</b>	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).	
<b>Requirements</b>	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 %
<b>Classification</b>	<b>Fulfills quality category 4 requirements with chlorinated paraffins &lt;0.1 %, solvents &lt;1 % and PAH plasticisers &lt;0.1 %.</b>	

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

Version 2015

<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 or similar.	
<b>Requirements</b>	Quality category 1 (low)	–
	Quality category 2	–
	Quality category 3	Chlorinated paraffins <0.1 % and VOC <1 % or EMICODE® EC 1/EC 1 <sup>PLUS</sup>
	Quality category 4 (high)	Chlorinated paraffins <0.1 % and VOC <1 % or EMICODE® EC 1/EC 1 <sup>PLUS</sup>
<b>Classification</b>	<b>Fulfills quality category 4 requirements with chlorinated paraffins &lt;0.1 % and solvents &lt;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 quality category 4 requirements with chlorinated paraffins &lt;0.1 %, solvents &lt;1 % and PAH plasticisers &lt;0.1 %.</b>

Version 2018

<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 or similar.
<b>Requirements</b>	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 <sup>PLUS</sup> or VOC <1 % Quality category 4 (high) Chlorinated paraffins <0.1 % and halogenated propellant <0.1 % and EMICODE® EC 1/EC 1 <sup>PLUS</sup> or VOC <1 %
<b>Classification</b>	<b>Fulfills quality category 4 requirements with chlorinated paraffins &lt;0.1 % and halogenated propellant &lt;0.1 % and VOC &lt;1 %.</b>

## 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>	

## 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. 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>	

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**Documents for  
building certifications**

All the listed documents can be downloaded from [otto-chemie.de](http://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](http://www.otto-chemie.com). Furthermore, the information in the documents accompanying the products is applicable.

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**Sealants • Adhesives**