OTTOSEAL® S28

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

Criterion Avoiding harmful substances in building materials

Overview table 4. Adhesives and sealants - line 4.1

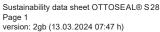
Building product group Adhesives and sealants (acrylates and silicones) used on site indoors

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.







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

baseboardsdoor 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 1 PLUS and bonus points SVHC \leq 0.1 %

Classification Fulfills quality category 2 requirements with GISCODE DSE20 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. 12

Product typeSealants, 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 %

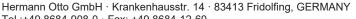
Quality category 4 (high) Chlorinated paraffins < 0.1 %, solvents < 1 % and

PAH plasticisers < 0.1 %

Classification Fulfills quality category 4 requirements with chlorinated paraffins <0.1 %, solvents <1 %

and PAH plasticisers < 0.1 %.





Tel.:+49 8684-908-0 · Fax: +49 8684-12-60

e-mail: info@otto-chemie.de · Internet: www.otto-chemie.com



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

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 1PLUS 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 %.

Sustainability data sheet OTTOSEAL® S28 Page 3 version: 2gb (13.03.2024 07:47 h)

Hermann Otto GmbH · Krankenhausstr. 14 · 83413 Fridolfing, GERMANY

Tel.:+49 8684-908-0 · Fax: +49 8684-12-60 e-mail: info@otto-chemie.de · Internet: www.otto-chemie.com



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

documents

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 3 requirements as declaration of contained SVHC > 0.1 % and

chlorinated paraffins < 0.1%.

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

Technical data sheet
 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.

Sustainability data sheet OTTOSEAL® S28 Page 4 version: 2gb (13.03.2024 07:47 h)

Hermann Otto GmbH · Krankenhausstr. 14 · 83413 Fridolfing, GERMANY

Tel.:+49 8684-908-0 · Fax: +49 8684-12-60 e-mail: info@otto-chemie.de · Internet: www.otto-chemie.com

