# OTTOSEAL® S94

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.

QNG - Quality Seal for Sustainable Buildings

Version 1.3

**Criterion** Avoiding harmful substances in building materials

Overview table 13. Building products for building services installations - line 13.2

Building product group Internal and external fire barriers; fire protection filler compounds, fire protection coatings for

cables and fire protection silicones

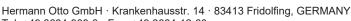
**Requirements** Product documentation and declaration of contained SVHC > 0.1 % and chlorinated paraffins,

TCEP, PBB and PBDE ≤0.1%

Classification Meets the requirements, as declaration of contained SVHC > 0.1 % and chlorinated

paraffins, TCEP, PBB und PBDE ≤0.1 %.

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# 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 1PLUS and bonus points SVHC ≤0.1 %

Classification Fulfills quality category 2 requirements with GISCODE DSO20 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 VOC < 1 % und SVHC ≤ 0.1 %.

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### 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. 42

**Product type**Technical fire protection, bonding or sealing in interiors, PU assembly adhesives: fireproofing

primers; fireproofing coatings for cables, fireproofing silicones, PU assembly adhesives for

insulating materials (EPS, XPS, PUR)

**Requirements** Quality category 1 (low)

Quality category 2

Quality category 3 Chlorinated paraffins (SCCPs + MCCPs + LCCPs) < 0.1 % and

SVHC ≤ 0.1 %

Quality category 4 (high) Chlorinated paraffins (SCCPs + MCCPs + LCCPs) < 0.1 % and

SVHC ≤ 0.1 %

Classification Fulfills quality category 4 requirements with chlorinated paraffins (SCCPs + MCCPs +

LCCPs) < 0.1 % 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 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 VOC < 1 %.

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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. 42

Product type Technical fire protection, bonding or sealing in interiors, PU assembly adhesives: fireproofing

primers; fireproofing coatings for cables, fireproofing silicones, PU assembly adhesives for

insulating materials (EPS, XPS, PUR).

**Requirements** Quality category 1 (low)

Quality category 2

Quality category 3 Chlorinated paraffins < 0.1 % and SVHC < 0.1 % Quality category 4 (high) Chlorinated paraffins < 0.1 % and SVHC < 0.1 %

Classification Fulfills quality category 4 requirements with chlorinated paraffins < 0.1 % and

SVHC < 0.1%.

## BNB – Bewertungssystem Nachhaltiges Bauen (Rating System for Sustainable Building)

Version 2015

**Criterion** 1.1.6 Risks for the local environment

Overview table 4. Surface coatings on predominantly non-mineral surfaces (wood, metals, plastics) – line no.44

Construction product type

Fire protection primers, fire protection coatings for cables, fire protection silicones for fillings, coatings, adhesives or sealings in interiors and exteriors with fire protection requirements.

**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,

PBB, PBDE, TCEP < 0.1 %.

Quality category 3 Declaration of contained SVHC > 0.1 % and chlorinated paraffins,

PBB, PBDE, TCEP < 0.1%.

Quality category 4 Declaration of contained SVHC > 0.1 % and chlorinated paraffins,

PBB, PBDE, TCEP < 0.1%.

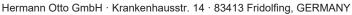
Quality category 5 (high) Declaration of contained SVHC > 0.1 % and chlorinated paraffins,

PBB, PBDE, TCEP < 0.1%.

Classification Fulfills the quality category 5 requirements as declaration of contained SVHC > 0.1 % and

chlorinated paraffins, PBB, PBDE, TCEP < 0.1 %.

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# BNB - Bewertungssystem Nachhaltiges Bauen (Rating System for Sustainable Building)

Version 2015

product type

Criterion 1.1.6 Risks for the local environment Overview table Adhesives and sealants – line no. 8

Construction 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.

Quality category 1 (low) Documentation, declaration of contained SVHC > 0.1 % and Requirements

declaration of biocidal agents (if used).

Declaration of biocidal agents (if used) and declaration of contained Quality category 2

SVHC > 0.1 % and chlorinated paraffins < 0.1 %.

For PU adhesives additionally applies: GISCODE PU10 or PU20

and TCEP < 0.1%.

Declaration of biocidal agents (if used) and declaration of contained Quality category 3

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

Construction

Criterion 1.1.6 Risks for the local environment Overview table 6. Adhesives and sealants - line no. 9

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)

Quality category 2

Documentation and declaration of contained SVHC > 0.1 %. Declaration of contained SVHC > 0.1 % and chlorinated

paraffins < 0.1%.

For PU adhesives additionally applies: TCEP < 0.1 %. Declaration of contained SVHC > 0.1 % and chlorinated Quality category 3

paraffins < 0.1%.

For PU adhesives additionally applies: TCEP < 0.1 %.

Declaration of contained SVHC > 0.1 % and chlorinated paraffins Quality category 4

<0.1% and EMICODE® EC 1/EC 1 PLUS or VOC <10 q/l. For PU adhesives additionally applies: TCEP < 0.1 %.

Declaration of contained SVHC > 0.1 % and chlorinated paraffins Quality category 5 (high)

> <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 %.

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# 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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