

Inspections/authorisations



- French VOC-emission class A+

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 4.2
Building product group	Adhesives and sealants processed on site based on PU, PU hybrid and SMP formulations (silane-modified polymers) in interior spaces
Requirements	Product documentation and declaration of contained SVHC > 0.1 % and chlorinated paraffins, TCEP, PBB and PBDs ≤ 0.1 % and solvent-free or GISCODE PU10, PU20, PU40 (ALT) or PU50 (ALT)
Classification	Meets the requirements, as declaration of contained SVHC > 0.1 % and chlorinated paraffins, TCEP, PBB und PBDE ≤ 0.1 % and GISCODE PU10.

QNG - Quality Seal for Sustainable Buildings

Version 1.3

Criterion	Avoiding harmful substances in building materials
Overview table	4. Adhesives and sealants - line 4.3
Building product group	Adhesives and sealants based on PU, PU hybrid, MS polymer or SMP (silane-modified polymers) for creating airtightness on façades, windows and exterior doors (inside and outside)
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 %.

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: <ul style="list-style-type: none">- mechanically stressed joints- baseboards- door rails- support adhesive (raised or hollow floor)- ventilation ducts <p>This refers to acrylic adhesives/bonding agents, silicone sealants, PU adhesives and silane-modified polymers (SMP).</p>	
Requirements	Quality category 1 (low)	GISCODE PU10, PU20, RS10, DA20, DSE20, DSA20, DSO20 or DH20 and bonus points SVHC $\leq 0.1\%$
	Quality category 2	GISCODE PU10, PU20, RS10, DA20, DSE20, DSA20, DSO20 or DH20 and bonus points SVHC $\leq 0.1\%$
	Quality category 3	GISCODE PU10, PU20, RS10, DA20, DSE20, DSA20, DSO20 or DH20 and EMICODE® EC 1 ^{PLUS} and bonus points SVHC $\leq 0.1\%$
	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 PU10 and SVHC $\leq 0.1\%$.	

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 $\leq 0.1\%$
	Quality category 2	$< 0.1\%$ halogenated propellant and bonus points SVHC $\leq 0.1\%$
	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 $\leq 0.1\%$
	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 $\leq 0.1\%$
Classification	Fulfills quality category 4 requirements with chlorinated paraffins (SCCPs + MCCPs + LCCPs) $< 0.1\%$ and halogenated propellant $< 0.1\%$ and VOC $< 1\%$ und SVHC $\leq 0.1\%$.	

Criterion	ENV 1.2 Risks for the local environment	
Criteria matrix	line no. 11	
Product type	Sealants, adhesives for dot and line-formed bonding of building components on the interior. This refers to PU adhesives and silane-modified polymers (SMP).	
Requirements	Quality category 1 (low)	GISCODE PU20 or RS10
	Quality category 2	GISCODE PU20 or RS10
	Quality category 3	GISCODE PU20 or RS10 and EMICODE® EC 1 or EC 1 ^{PLUS}
	Quality category 4 (high)	GISCODE PU20 or RS10 and EMICODE® EC 1 or EC 1 ^{PLUS}
Classification	Fulfills quality category 4 requirements with GISCODE PU10 (better than PU20) and EMICODE® EC1^{PLUS}.	

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)

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: GISCOD 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: GISCOD 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 <0.1 % 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 quality category 3 requirements as no biocidal agents are used and declaration of contained SVHC >0.1 % and chlorinated paraffins <0.1 % and GISCOD PU10 and TCEP <0.1 %.	

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)	Dokumentation und Deklaration enthaltener 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 % and TCEP <0.1 %.	
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.
