

OTTOSEAL® S 125

The low-odour floor and sanitary silicone



1-component silicone sealant based on alkoxy, neutral cross-linking

For indoor and outdoor application

S 125



Characteristics

- ▶ Low odour - No odour nuisance
- ▶ Contains fungicides - Resistance to mould infestation
- ▶ Available in matte colours - Harmonises perfectly with matte surfaces
- ▶ Does not cause corrosion on unprotected metal surfaces
- ▶ Excellent weathering, ageing and UV-resistance

Fields of application

- ▶ Sealing of floor and connection joints for plastic and design floor coverings made of rubber, linoleum, vinyl and PVC, as well as laminate, cork and wood
- ▶ Sealing expansion and connection joints in bathroom areas
- ▶ For the external sealing of mirrors in connection with materials such as ceramic, metal, glass etc.
- ▶ Sealing of joints on windows and doors made of wood, metal and plastic
- ▶ Sealing of façades, parapet elements, roller blind housings and metal building constructions
- ▶ Sealing of movement joints between concrete slabs
- ▶ Sealing wooden and decorative worktops

Standards and tests

- ▶ Tested according to EN 15651 – Part 1: F EXT-INT CC 25 LM
- ▶ Tested according to EN 15651 – Part 3: XS 1
- ▶ Tested according to EN 15651 – Part 4: PW INT 12.5 E
- ▶ Tested fire behaviour in accordance with EN 13501: class E
- ▶ Declaration of no objection – tested for use in food-related area (ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- ▶ EMICODE® EC 1 Plus - very low emission
- ▶ French VOC-emission class A+
- ▶ Declaration in "baubook" Austria
- ▶ Suitable for applications according to IVD instruction sheet no. 1+3-1+7+8+9+14+19-1+20+24+25+27+29+31+32 (IVD = German industry association sealants)

Technical properties

Skin-forming time at 23 °C/50 % RH [minutes]	~ 10
Curing in 24 hours at 23 °C/50 % RH [mm]	~ 2 - 3
Processing temperature from/to [°C]	+ 5 / + 35
Viscosity at 23 °C	pasty, stable
Density at 23 °C according to ISO 1183-1 [g/cm³]	~ 1,0



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SEALING & BONDING

Density at 23°C according to ISO 1183-1, matt [g/cm³]	~ 1,3
Shore-A-hardness according to ISO 868	~ 21
Shore-A-hardness according to ISO 868, matt colours	~ 31
Permissible movement capability [%]	25 ¹
Stress expansion modulus at 100 % according to ISO 37, type 3 [N/mm²]	~ 0,4
Tensile expansion according to ISO 37, type 3 [%]	~ 700
Tensile strength according to ISO 37, type 3 [N/mm²]	~ 1,4
Temperature resistance from/to [°C]	- 40 / + 120
Shelf life at 23 °C/50 % RH for cartridge/foil bag [months]	15 ²
Shelf life at 23 °C/50 % RH for pail/drum [months]	15 ²

- 1) Please pay attention to standards and tests
- 2) from production

These data are not suitable for the issue of specifications. Please contact OTTO-CHEMIE before issuing specifications.

Pretreatment

The adhesive surfaces must be cleaned and any contamination such as release agents, preservatives, grease, oil, dust, water, old adhesives/sealants and other substances impairing adhesion must be removed. Cleaning of non-porous substrates: Clean with OTTO Cleaner T (no flash-off time required) and a clean, lint-free cloth. Cleaning porous substrates: Clean surfaces mechanically, e.g. with a steel brush or a grinding disc, to remove loose particles. The adherent surfaces have to be clean, free from fat, dry and sustainable.

Primer table

The demands on elastic sealings and bondings depend on the respective exterior influences. Extreme fluctuations in temperature, tensile or shear forces, repeated contact with water etc. demand high requirements of a bonding. In such cases it is advisable to apply primer according to the recommendations of our technical department (e. g. +/OTTO Primer 1216) in order to achieve a resilient bonding.

Acrylic glass/PMMA	+ / 1217
Acrylic bathroom surfaces (e. g. bath tubs)	+ / 1217
Aluminium	+
Aluminium anodized	+
Aluminium powder-coated	T
Concrete	1215
Floor covering, rubber	1217 / 1227
Floor covering, PVC	1217 / 1227
Floor covering, vinyl	+ / 1217 / 1227 ¹
Stainless steel	+ / 1216
Epoxid resin coating	T
Fibre cement	1215
Glass	+
Wood, untreated	+ / 1215 ²
Wood, painted (solvent systems)	+
Wood, painted (aqueous systems)	+
Wood, varnished (solvent systems)	+
Wood, varnished (aqueous systems)	+
Wood, oiled	T
HPL boards	+
Ceramic, glazed	+ ³
Ceramics, unglazed	+
Clinker	1215
Cork	+
Artificial stone	OTTOSEAL® S 70
Copper ⁴	+
Laminate	1217 / 1227
Linoleum	+

Melamine resin panels	1217
Brass ⁴	+
Solid surface material	-
Natural stone / marble	OTTOSEAL® S 70
Polyester	+
Polypropylene	-
Cellular concrete	1215
Plaster	1215
PVC unplasticized	+ / 1217
PVC-soft-foils	+
Tinplate	+
Zinc, galvanised iron	+

1) Depending on the composition of the plastic, a primer may be required. For heavy-duty use, e.g. in public areas, we recommend OTTO Primer 1217 or 1227.

2) Upon high exposure to water please test beforehand.

3) When using ceramic tiles with a special surface coating such as Ceramicplus of Villeroy + Boch we recommend a pre-treatment with OTTO Cleanprimer 1226. When using ceramic tiles with other surface coatings it is advisable to contact our Technical Department or make preliminary tests.

4) The reaction of neutral silicone with non-ferrous metals, such as copper, brass, etc. is possible. Upon curing un-blocked air admission is necessary.

+ = good adherence without primer

- = not suitable

T = Test/pilot test advised

Important information

The sealant cannot be sanded or painted over.

The sealant must be removed before sanding wooden floors.

We recommend OTTOSEAL® M 390 as a silicone-free, sandable and paintable sealant for wood/parquet floors.

Before applying this product the user has to ensure that the materials in the area of contact (solid, liquid and gaseous) are compatible with it and also amongst each other and do not damage or alter (e. g. discolour) each other. As for the materials that will be used at a later stage in the surrounding area of the product the user has to clarify beforehand that the substances of content or evaporations do not lead to an impairment or alteration (e. g. discolouration) of the product. In case of doubt the user should consult the respective manufacturer of the material.

Avoid contact with materials which contain bitumen and which release solvents, e. g. butyl, EPDM, neoprene, insulating- and bituminous paint.

Paints, lacquers, plastics and any other coatings must be compatible to the adhesive/sealant.

For oiled surfaces and wood containing oil, we recommend that preliminary tests be carried out with regard to compatibility and adhesion.

Discolouration may occur in direct contact with coatings containing oil and alkyd resins.

Connection and floor joints on wooden floors must be planned and executed with sufficient joint width due to the swelling and shrinkage of wooden elements. No expansion or compression of the joint sealant above the permissible total deformation may occur.

During curing small amounts of alcohol are released.

Ensure good ventilation during application and curing.

The required vulcanization time prolongs with increasing thickness of the silicone layer. One-component silicones are not suitable for full-area bonding, unless there are specific structural conditions that require such full-area application. If one-component silicones are to be used for thickness layers of more than 15 mm please contact our technical department beforehand.

When sealing wood and linoleum floorings, wet the smoothing tool with only a little clean, unused smoothing agent. In the case of stain-sensitive floor coverings, mask the edges of the joints and remove the sealant dry.

If using smoothing agent remove the remaining water streaks on the adjoining surfaces immediately after sealing. If the surfaces are cleaned at a later time, permanent streaks may remain.

Smoke from cigarettes or similar environmental influences may lead to discolouring of the sealant.

Indoors without daylight or in the case of sporadic artificial lighting, alkoxy/oxime/amine silicone sealants may exhibit a yellowing over time, especially in transparent and light colours. If technically possible, it is recommended to use acetate silicones in these cases.

Upon restoring of joints contaminated with mould the existing elastic sealant must be removed completely. Before re-jointing, the affected jointing areas are to be treated with OTTO Anti-Mildew Spray to remove possibly existing fungal spores. Otherwise a new mould attack may occur in the joints again, despite the mould protection technology of the sealant.

Application information

Due to the many possible influences during and after application, the customer always has to carry out trials first. Observe the following when smoothing matte colours with OTTO smoothing agents: The joints should only be tooled once with a smoothing tool, which was dipped in OTTO smoothing agent. The more often the surface is reworked with smoothing agent, the more the matte effect is lost and the joint becomes glossier.

Please observe the recommended shelf life which is printed on the packaging.

We recommend to store our products in unopened original packagings dry (< 60 % RH) at temperatures of +15 °C up to +25 °C. If the products are stored and / or transported at higher temperatures / air humidity for longer periods (some weeks), a diminution of durability or a change of material characteristics may arise.

Packaging
















Glossy colors

	310 ml cartridge	400 ml aluminium foil bag	580 ml aluminium foil bag
● alu	S125-04-C14	on request	on request
● anthracite	S125-04-C376	S125-07-C376	on request
● anthracite grey	S125-04-C137	S125-07-C137	on request
● basalt grey	S125-04-C8339	on request	on request
● concrete grey	S125-04-C6216	S125-07-C6216	on request
● brown	S125-04-C05	on request	on request
● dark oak	S125-04-C83	on request	on request
● fair oak	S125-04-C64	on request	on request
● joint white	S125-04-C69	on request	on request
● fair jasmin	S125-04-C112	S125-07-C112	on request
● linsey grey	S125-04-C433	S125-07-C433	on request
● manhattan	S125-04-C43	S125-07-C43	on request
● RAL 7047	on request	S125-07-C7047	on request
● RAL 9001	S125-04-C9001	S125-07-C9001	on request
● sanitary grey	S125-04-C18	S125-07-C18	S125-08-C18
● snow white	S125-04-C116	S125-07-C116	on request
● black	S125-04-C04	on request	on request
● silver grey	S125-04-C94	S125-07-C94	on request
● stone grey	S125-04-C8337	on request	on request
○ transparent	S125-04-C00	on request	S125-08-C00
● transparent grey	S125-04-C284	S125-07-C284	on request
○ white	S125-04-C01	S125-07-C01	S125-08-C01
Pieces per packaging unit	20	20	20
Pieces per pallet	1200	900	600

Matte colors

	310 ml cartridge	400 ml aluminium foil bag	580 ml aluminium foil bag
● matt anthracite grey	S125-04-C6831	S125-07-C6831	on request
● matt basalt grey	S125-04-C8340	on request	S125-08-C8340
● matt brown	S125-04-C1416	on request	on request
● matt beech	S125-04-C7111	on request	on request
● matt buxy	S125-04-C8725	on request	on request
● matt dark oak	S125-04-C7104	on request	on request
● matt oak	S125-04-C8170	on request	on request
● matt fair oak	S125-04-C7105	on request	on request
● matt natural oak	S125-04-C8147	on request	on request
● matt white oak	S125-04-C8151	on request	on request
● matt ash	S125-04-C8134	on request	on request

Matte colors

 matt fair brown	S125-04-C7094	on request	on request
 matt fair jasmin	S125-04-C8336	on request	on request
 matt chestnut	S125-04-C7114	on request	on request
 matt linsey grey	S125-04-C6835	S125-07-C6835	on request
 matt manhattan	S125-04-C6874	on request	on request
 matt sandstone	S125-04-C8165	on request	on request
 matt sanitary grey	S125-04-C6834	S125-07-C6834	S125-08-C6834
 matt snow white	S125-04-C6832	S125-07-C6832	S125-08-C6832
 matt chocolate brown	S125-04-C6569	on request	on request
 matt black	S125-04-C7112	on request	S125-08-C7112
 matt silk grey	S125-04-C7110	on request	on request
 matt silver grey	S125-04-C6645	S125-07-C6645	S125-08-C6645
 matt stone grey	S125-04-C8338	on request	on request
 matt vintage	S125-04-C8427	on request	on request
 matt white	S125-04-C6919	on request	S125-08-C6919
Pieces per packaging unit	20	20	20
Pieces per pallet	1200	900	600

Due to typographical reasons the colours shown below may differ from the original colours of the products.
For an exact colour display please request our original colour charts.

Safety precautions

Please observe the material safety data sheet.
After curing, the product is odourless.

Disposal

Information about disposal: Please refer to the material safety data sheet.

Brand information

EMICODE® is a registered trademark of GEV e. V. (Düsseldorf, Germany)

Warranty information

The above information and our technical application advice, whether verbal, in writing or by means of tests, are provided to the best of our knowledge, but are non-binding, including with regard to any third-party property rights. The information in this publication does not exempt the processor from carrying out their own tests on our products with regard to their suitability for the intended processes and purposes. The application, use and processing of our products and the products manufactured on the basis of our technical application advice are beyond our control and are therefore the sole responsibility of the processor. If the application for which our products are used is subject to an official authorisation requirement, the user is responsible for obtaining these authorisations. We reserve the right to adapt the product to technical progress and new developments. For the rest, we refer to our General Terms and Conditions, in particular with regard to any liability for defects. You can find our GTC at www.otto-chemie.de.