

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
- ▶ 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

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+3-2+7+9+14+19-1+20+24+25+27+29+31+32+35 (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 |
| Density at 23°C according to ISO 1183-1, matt [g/cm³] | ~ 1,3 |



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| | |
|--|-----------------|
| 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/mm ²] | ~ 0,4 |
| Tensile expansion according to ISO 37, type 3 [%] | ~ 700 |
| Tensile strength according to ISO 37, type 3 [N/mm ²] | ~ 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) | + |
| Ceramic, glazed | + ³ |
| Ceramics, unglazed | + |
| Clinker | 1215 |
| Cork | + |
| Artificial stone | OTTOSEAL® S 70 |
| Copper | + |
| Laminate | 1217 / 1227 |
| Linoleum | + |
| Melamine resin panels | 1217 |
| Brass | + |
| 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.

+ = good adherence without primer

- = not suitable

T = Test/pilot test advised

Important information

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.

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.

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.

For sealing of linoleum floorings please wet smoothing tool with only a little smoothing agent or rebate dryly. Remove excess smoothing agent on the flooring before drying in order to avoid staining.

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 dark oak | S125-04-C7104 | on request | on request |
|  matt fair oak | S125-04-C7105 | on request | on request |
|  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 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 white | S125-04-C6919 | on request | S125-08-C6919 |
| Pieces per packaging unit | 20 | 20 | 20 |

Matte colors

| | | | |
|-------------------|------|-----|-----|
| 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

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