

OTTOSEAL®

A 250

Technical Datasheet

1-component acrylate copolymer plastic sealant

For outdoor application

Characteristic:

- **Compatible with bitumen**
No interaction
- **Immediately rainproof**
Processable even in rain
- **Silicone-free**
- **Very good adhesion without primer even on many moist, smooth, non-absorbent substrates**
Sealant for all common applications in the roofing and plumbing sector, e.g. on bitumen roofing felt, metals, PVC, polyester
- **Compatible with coatings according to DIN 52452**
No interaction with existing and adjacent coatings
- **Can be painted and varnished – please observe application instruction in Technical Data Sheet**
Optical adaptation and protective coating possible
- **Good UV-resistance**
Long durability in exposed areas

Fields of application:

- Perfect sealing for roofers and plumbers
- Sealing of air condition and ventilation systems
- Sealing of joints and seams on the roof, including on damp substrates
- Edge sealing of chimneys, metal profiles and parapet covers
- Sealing of bitumen coats on masonry, concrete, etc.
- Adhesion and joining of corrugated roofing tiles made from fibre cement, metal, PVC, polyester and bitumen (depending on the expected loads, e.g. wind suction, an additional mechanical attachment may be required)
- Barrier of building materials containing bitumen for the subsequent silicone sealant

Standards and tests:

- Suitable for applications according to IVD instruction sheet no. 12+31+35 (IVD = German industry association sealants)

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.

Not suitable for joints with intense movement (> 10 % necessary movement capability)

Not suitable for building movement joints.

Maximum joint width: 10 mm

Not suitable for base and floor joints.

Not suitable for joints in swimming pools and swimming pool areas.

Not suitable for sealing of metal sheets in flat roof constructions (in that case we recommend OTTOSEAL® S 110)

Not suitable for polystyrene® or styrodur®

Due to its extraordinary adhesion properties the sealant tends to stringiness. These filaments can be avoided by pulling away the cartridge jerkily.

Technical properties:

| | |
|--|-------------|
| Skin-forming time at 23 °C/50 % RH [minutes] | ~ 1 |
| Processing temperature from/to [°C] | + 5 / + 35 |
| Viscosity at 23 °C | pasty |
| Density at 23 °C according to ISO 1183-1 [g/cm³] | ~ 1,1 |
| Permissible movement capability [%] | 10 |
| Temperature resistance from/to [°C] | - 20 / + 80 |
| Shelf life at 23 °C/50 % RH [months] | 24 |
| Storage temperature from/to [°C] | 0 / + 30 |
| Shrinkage of volume according to ISO 10563 [%] | ~ 20 |

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

Pretreatment:

The adherent surfaces have to be clean, free from dust and grease as well as sustainable.

All adherent surfaces must be clean and any contaminant such as release agents, preserving agents, grease, oil, dust, water, old adhesives or sealants and other substances which could affect adhesion, should be removed. Cleaning of non-porous substrates: Apply OTTO Cleaner T (airing time approx. 1 minute) using a clean, lint-free cotton cloth. Cleaning porous substrates: Clean surfaces with steel-wire brush e. g. or a grinding disk to remove loose particles.

Application information:

Cartridge should be stored at room temperature before application. For subsequent smoothing use plenty of water. Avoid excess material by using correct diameter of nozzle and even gun control, since excessive OTTOSEAL® A 250 is difficult to remove due to its excellent adhesion. OTTOSEAL® A 250 contains solvents and forms a skin immediately (approx. 1 minute) after application. In order not to activate the evaporation of solvents too strongly, it is recommended to avoid the application during direct strong solar radiation, whenever possible. Direct strong solar radiation increases the risk of cracks in the fresh sealant. If cracks occur, they can be repaired easily by applying another layer of OTTOSEAL® A 250. Surface will be slightly tacky even after curing. The cleaning of processing tools or similar can be carried out with OTTO Cleaner T, acetone or fuel. The joint width is limited to 5 to 25 mm, if OTTOSEAL® A 250 is used as a barrier to bituminous substances in joints and a silicone sealant is used additionally to compensate movements. Fill 1/3 of the joint with OTTOSEAL® A 250 and let it dry for at least 1 hour before the subsequent silicone is applied. OTTOSEAL® S 100 and OTTOSEAL® S 110 have been tested and found to be compatible with cured OTTOSEAL® A 250. Contains flammable solvents, therefore sufficient ventilation has to be provided when applying in interior areas. Avoid proximity of open fire or other ignition sources. Our product can be overcoated with paint or varnish. The compatibility between the coating and our product has to be checked before the application by the user/processor - possibly under production conditions. Our OTTO application technology will gladly support you non-committally. If, in exceptional cases, after successful compatibility test our product is coated over the entire surface, this coating must also be able to follow the elastic movement of the sealant. Otherwise crack formations in the coat of paint or optical impairments may occur. Due to the many possible influences during and after application, the customer always has to carry out trials first. Please observe the recommended shelf life which is printed on the packaging. We recommend to store our products in unopened original packaging 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:

| | |
|---------------|------------------|
| | 310 ml cartridge |
| black | A250-04-C04 |
| crystal clear | A250-04-C30 |

| | |
|--------------------------|-------------|
| grey | A250-04-C02 |
| white | A250-04-C01 |
| Packaging unit | 20 |
| Pieces per pallet | 1200 |

Safety precautions: Please observe the material safety data sheet.
After curing the product is completely odourless.

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

Warranty information: All information in this publication is based on our current technical knowledge and experience. However, since conditions and methods of use and application of our products are beyond our control, we suggest that you test the product before final use. Information given in this technical data sheet and explanations of OTTO-CHEMIE in connection with this technical data sheet (e.g. service description, reference to DIN regulations etc.) is not to be seen as a warranty. Warranties require a separate written declaration of OTTO-CHEMIE to prove their validity. The characteristics stated in this data sheet define the characteristics of the article broadly and conclusively. Suggestions of use are not to be taken as confirmation of the appropriateness for the recommended intended use. We reserve the right to alter the product, adjusting it according to technical progress and new developments. We are at your disposal both for inquiries as well as specific application problems. If a governmental approval or clearance is necessary for the application of our products, the user is responsible for the obtainment of such. Our recommendations do not excuse the user from the obligation to take into consideration the possibility of infringement of third parties' rights and - if necessary - resolving it. For the rest our general terms and conditions apply, in particular regarding a possible liability for defects. You can find our general terms and conditions on our homepage: <http://www.otto-chemie.de/en/terms-and-conditions>