

OTTOSEAL®**P 305****Technical Datasheet****Characteristics:**

- 1-component sealant based on polyurethane
- Cures without bubble formation
- Good weathering and ageing resistance
- Compatible with coatings according to DIN 52452
- Silicone-free

Fields of application:

- External joints according to DIN 18540-F
- Expansion and connecting joints on prefabricated concrete and cellular concrete units
- Sealing of façades, metal constructions, terraces, balconies, window and door connections, flat roof parapets

Standards and tests:

- Tested and monitored according to DIN 18540-F (Sueddeutsches Kunststoff-Zentrum, Wuerzburg, Germany)
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Important information:

Before applying the adhesive / sealant the user has to ensure that the materials in the area of contact (solid, liquid and gaseous) are compatible with the adhesive / sealant and do not damage or alter (e. g. discolour) them. As for the materials that will be used at a later stage in the surrounding area of the adhesive / sealant 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 adhesive / sealant. In case of doubt the user should consult the respective manufacturer of the material.

Ensure good ventilation during application and curing.

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

The colours of the sealant may be affected by environmental influences (high temperature, chemicals, vapours, UV-radiation). This does not affect the characteristics of the product.

According to relevant standards, elastic sealants should generally not be painted all-over, since mechanical stress and movement can cause cracks in the non-elastic-paints.

Not suitable for glazing rebate, floor joints, bathroom and continuously wet condition areas and joints exposed to chemicals and all areas beyond our recommendations.

For elastic sealing of marble and natural stone we recommend OTTOSEAL® S 70.

Technical properties:

Skin-forming time at 23 °C / 50 % RAH	approx. 60 - 90 minutes
Curing at 23 °C / 50 % RAH	approx. 2 mm / 24 hours
Processing temperature	+5 °C up to +40 °C
Viscosity (23 °C)	pasty, stable
Density at 23 °C	approx. 1,3 g/cm³
Shore-A-hardness (DIN 53 505)	approx. 20
Permissible movement capability	25 %
Extensional stress value at 50 % (ISO 8340)	approx. 0,15 N/mm²
Extensional stress value at 100 % (ISO 8340)	approx. 0,20 N/mm²
Breaking expansion (DIN 53 504, S3A)	approx. 700 %
Retroactivity (ISO 7389)	>85 %
Temperature resistance	-40 °C up to +70 °C



Shelf life at 23 °C / 50 % RAH for cartridge / foil bag 12 months

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

Pretreatment:

The adherent surfaces have to be clean, free from fat, dry and 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.

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 (Plexiglas® , etc.)	-
Acrylic bathroom surfaces (e. g. bath tubs)	-
Aluminium	1225
Aluminium anodized	1225
Aluminium powder-coated	1226 / T
Aluminium powder-coated (contains teflon)	T
Concrete	1225
Concrete block	-
Lead	T
Stainless steel	1225
Iron	1225
Epoxid resin coating	1226
Epoxid resin mortar	1225
Fibre cement	1225
Gypsum	1225
Glass	-
Wood, painted (solvent systems)	1226
Wood, painted (aqueous systems)	1226
Wood, varnished (aqueous systems)	1226
Wood, varnished (solvent systems)	1226
Wood, untreated	+ / 1225
Ceramic, glazed	1226
Ceramics, unglazed	1225
Clinker	1225
Plastic profiles (unplasticized, e. g. Vinnolit)	1227
Copper	1225
Melamine formaldehyde resins (e. g. Resopal®)	T
Brass	T
Natural stone / marble	-
Polyester	1226
Polypropylene	-
Cellular concrete	1225
Plaster	1225
PVC unplasticized	1227
PVC - soft - foils	T
Tinplate	1225
Brick-work	1225
Zinc, galvanised iron	1225

+ = good adherence without primer

- = not suitable

T= Test/pilot test advised



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Sealants • Adhesives

Application information:	Because of the variety of possible influences while processing and applying customer tests are required. Please observe the recommended shelf life which is printed on the packaging. We recommend to store our products in unopened original packagings dry (< 60 % RAH) 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:	Please see the packagings available from stock in our current General Catalogue for Building Products.																		
	Trading unit/Container	Packaging unit	Pieces per pallet																
	600 ml Alum. Foil bag	20	880																
Colours:	<table> <tr> <td>C56</td><td>concrete grey</td><td>C49</td><td>dark brown</td></tr> <tr> <td>C38</td><td>light-grey</td><td>C01</td><td>white</td></tr> <tr> <td>C78</td><td>middle-grey</td><td>C102</td><td>mortar grey</td></tr> <tr> <td>C04</td><td>black</td><td></td><td></td></tr> </table>			C56	concrete grey	C49	dark brown	C38	light-grey	C01	white	C78	middle-grey	C102	mortar grey	C04	black		
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Safety precautions:	Please observe the material safety data sheet.																		
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 experiences. However, since conditions and methods of use and application of our products are beyond our control, we suggest you to 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. If you happen to not have our general terms and conditions at hand, we will gladly send them to you upon request. You can also find them on our homepage: http://www.otto-chemie.de/englisch/unternehmen/agb/AGB-Englisch_04-05.pdf																		