

OTTOSEAL®

P 300

Technical Data Sheet

identical with Ocetan S

Characteristics

- Polyurethane sealant
- Very good paintability according to DIN 52452
- Free of silicone

Fields of application

- Building construction joints conforming with DIN 18540-F
- Expansion and connection joints on concrete and precast cellular concrete panels
- Sealing facades, metal constructions, patios, balconies, window and door connections, parapet elements.
- Maximum joint width: 35 mm

Standards and tests

Tested and inspected according to DIN 18540-F by the Süddeutsche Kunststoff-Zentrum in Würzburg

Important information

Do not use **OTTOSEAL® P 300** for floor joints, for non-structural glazing, for the sanitary sector, for joints which are subject to permanent water/wet stress and for joints exposed to chemicals.

Elastic sealants should not be painted all-over in general.

Direct contact between sealant and the following plasticizer emitting products should be avoided e.g. butyl rubber, EPDM, neoprene, bituminous coatings and products.

For natural stone applications use **OTTOSEAL® S 70**.

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

On uneven and porous surfaces and/or high ambient temperatures and humidity bubbles can form in the sealant. For critical applications we recommend

OTTOSEAL® P 305.

OTTOSEAL® P 300 shows a good resistance against:

Water and salt water, aqueous cleaning agents, diluted caustics, lime water.

OTTOSEAL® P 300 shows a short-term resistance against:

Petrol, oil, solvents, diluted acids, fat, lubrication oils.

OTTOSEAL® P 300 is not resistant against:

Alcohol, acids and caustics, asphalt, bitumen, organic acids and other corrosive chemicals.

Features

OTTOSEAL® P 300 is a ready-to-use, elastic one part PU sealant

Technical properties

Viscosity (23 °C):	non-sag, pasty
Density:	approx. 1.3 g/cm ³
Shore-A hardness (DIN 53505):	approx. 20
Tensile elongation (DIN 53504):	approx. 700 %
Modulus at 50 % elongation:	approx. 0.1 N/mm ²
Modulus at 100 % elongation:	approx. 0.27 N/mm ²
Movement capability:	25 %
Temperature resistance:	- 40 °C up to + 80 °C (long -term) up to + 120 °C (short-term)
Tooling temperature:	+ 5 °C up to + 40 °C
Skin-forming time (23°C, 50 % RH):	approx. 175 min.
Curing in 24 hours (23 °C/50 % RH):	approx. 2 mm
Shelf life:	9 months from the date of manufacture at room temperature

These data are not intended for use in preparing specifications. Please contact OTTO-CHEMIE before writing specifications.

Preparation

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

Cleaning: Clean all joints, remove all foreign matter and contaminants such as grease, oil, dust, water, protective coatings and other substances which could affect adhesion:

Cleaning non-porous substrates: Use OTTO cleaner T, methylated spirit or other cleaners on an acetone or isopropanol basis and a clean, lint-free cotton cloth.

Cleaning porous substrates: Contaminated surfaces shall be cleaned by mechanical means, e.g. with a steel-wire brush or a grinding wheel in order to remove loose particles.

Priming

The joint flanks must be clean, dry and firm. Please refer to the following primer table where substrates are listed that require priming in order to obtain adhesion of the sealant:

Primer table

Acrylic bathroom surfaces (bath tubs)	1227	Melamine formaldehyde resins	R/1226
Acrylic glass (Makrolon, Plexiglass, etc.)	S 64	Natural stone / Marble	S 70
Aluminium	1226	Plaster	R
Aluminium, anodized	+	Plastic profiles, e.g. Vinnolit	R
Aluminium powder coated, TGIC-free	R / 1226	Polyester	R/+
Artificial stone	S 70	Polypropylene (PP)	-
Brass	R	PVC soft, foils	R
Cellular concrete	1225	PVC unplasticized	R/1227
Ceramics, glazed	+	Stainless steel, rust-proof	1226
Ceramics, unglazed	+	Tinplate	R
Concrete	1225	Wood, painted (solvent systems)	1226/+
Copper	1226	Wood, painted (aqueous systems)	1226/+
Epoxy resin coating	+	Wood, untreated	1225
Fibre reinforced cement	1225	Wood, varnished (solvent systems)	1226/+
Iron, sand blasted	R	Wood, varnished aqueous systems)	1226/+
Lead	1226	Zinc, galvanised iron	1226

+ = good adhesion without primer

- = not suitable

R = further inquiry or preliminary tests required

Application information

However, because conditions and methods of use of our products are beyond our control, customer tests are required to ensure that our products are safe, effective and fully satisfactory for the intended end use.

Please observe the recommended shelf life that is printed onto the packaging.

Packaging

Unit	Pieces per box	Pieces per pallet
Alu-Foil bag 600 ml	20	800

Colours

C56 – concrete grey C78 – medium grey C01 – white

Safety precautions

Please refer to the material safety data sheet.

Disposal

Disposal should be made in accordance with federal, state and local regulations.

Warranty information

All information in this publication are based on our current technical knowledge and experiences. Due to numerous influences they do not exempt processors and purchasers from conducting their own tests and examinations. 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.) include in case of doubt no acceptance of a guarantee. In case of doubt only written explanations of OTTO-CHEMIE are representative for an acceptance of a guarantee. All mentioned document conditions in this technical data sheet lay down the terms of delivery fully and completely. Statements concerning possible or suggested uses of the materials described herein can not be seen as warranty for your application. We reserve the right to alter product constants within the scope of technical progress or new developments. We are pleased to be at your disposal for inquiries, also regarding specific application problems. If the application in which the products are used requires governmental approval or clearance, the user is responsible to obtain such approval. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and if necessary, clarifying the position. In the event of deficiency our terms and conditions are applicable. If our terms and conditions are not with you, we send them to you on request.