

Otoseal S 100

SINGLE-COMPONENT SILICONE SEALANT WITH ACETIC CROSS-LINKING AND HIGH ELASTICITY. CONTAINS FUNGICIDAL AND BACTERIOSTATIC AGENTS. IDEAL FOR SEALING EXPANSION AND FRACTION JOINTS BETWEEN CERAMIC TILES. EXCELLENT FOR SEALING GLAZED SANITARY WARE, GLASS AND ALUMINIUM COMPONENTS. GENERAL USE SEALANT OF EXCELLENT DURABILITY, RESISTANT TO THERMAL SHOCK, UV RAYS AND WEATHERING. FOR INTERIORS AND EXTERIORS.



TECHNICAL DATA SHEET - REV. 01/2022

DESCRIPTION

OTTOSEAL S 100 is a single-component sealant made with silicone and acetate, characterized by high resistance to mould and bacteria, excellent resistance to weathering, aging and UV rays. Contains fungicidal and bacteriostatic agents.

Tested according to EN 15651 - Part 1: F EXT-INT CC 25 LM.

Tested according to EN 15651 - Part 2: G CC 25 LM.

Tested according to EN 15651 - Part 3: XS 1.

Tested according to EN 15651 - Part 4: PW INT 12.5 E.

FIELDS OF APPLICATION

OTTOSEAL S 100 is used for the sealing of expansion and fraction joints between ceramic tiles, for sealing expansion joints and connection joints in sanitary environments, for sealing enamelled sanitary ware, glass and aluminium components.

PREPARING THE SURFACE

The surface must be clean, degreased, dry and stable. The surfaces to be bonded must be clean and any foreign substance that could compromise adhesion must be eliminated, such as release agents, preservatives, greases, oils, powders, water and residues of old adhesives/sealants.

APPLICATION

Before applying the product, it is necessary to make sure that the construction materials with which you will come into contact are compatible with the product itself and with each other and that they cannot damage or alter the characteristics of the product (i.e. discolouring). In the case of construction materials that will subsequently be processed at the point where the product has been applied, the user must verify that the related solid or volatile components cannot compromise or alter the features of the product (i.e. discolouring). If necessary, the user is required to contact the manufacturer of the respective construction materials used. During hardening, minimal amounts of acetic acid are slowly released. During processing and hardening, it is necessary to ensure adequate ventilation. The vulcanization times are proportional to the thickness of the silicone joint. Single-component silicones are not suitable for areal-type bonding. With regard to the restoration of joints affected by mould, it is necessary to completely remove the existing elastic sealant. Before proceeding with the new sealing of the joints, treat the areas affected by the mould with an anti-mould spray, to eliminate any fungal spores. Otherwise, despite the content of fungicides in the sealant, the moulds will not take long to re-impact the joint.

YIELD

3m with 10x10mm curb.

RECOMMENDATIONS

- ◆ Given the large number of factors involved that affect the processing and application of the product, always carry out a trial processing and application.
- ◆ Avoid contact with bituminous or plasticizing materials, such as butyl, EPDM, neoprene, bituminous blankets and insulators.
- ◆ Do not apply OTTOSEAL S 100 in a layer that is greater than 15 mm.
- ◆ Adhere to the effective use deadline indicated on the container.

PACKAGING

OTTOSEAL S 100 is supplied in 300 ml cartridges in 20 piece boxes. Store the product in the original closed containers in a dry place (<60% r.u.a.) at a temperature between +15 °C and +25 °C. In case of prolonged storage (for several weeks) and/or transporting at higher temperatures or humidity, a reduction in the shelf life or an alteration of the material's features cannot be excluded.

SAFETY INSTRUCTIONS

Consult the Safety Data Sheet for more information to use the product safely.

TECHNICAL DATA

Filming time at 23 °C/50 % r.u.a. [minutes]:	~ 10
Hardening in 24 hours at 23 °C/50 % r.u.a. [mm]:	~ 2-3
Processing temperature:	from +5 °C to +35 °C
Viscosity at 23 °C:	pasty, stable
Density at 23 °C according to ISO 1183-1 [g/cm ³]:	~ 1.0
Shore A hardness according to ISO 868 standards:	~ 20
Total permissible deformation [%]:	25 (1)
Class according to ISO 11600 F:	25 LM
100 % elastic module according to ISO 37, type 3 [N/mm ²]:	~ 0.3
Elongation at break according to ISO 37 standards, type 3 [%]:	~ 900
Tensile strength according to ISO 37 standards, type 3 [N/mm ²]:	~ 1.8
Thermal resistance:	-40 °C to + 180 °C
Delivery rate according to ISO 8394-1 standards [rpm]:	~ 140 - 170
Volume loss according to ISO 10563 standards [%]:	~ 5
Stock stability at 23 °C/50 % r.u.a. per cartridge/bag [months]:	18

The information in this bulletin is based on our best experience. We cannot be held liable for any product misuse. We therefore recommend anyone who intends to use this product to assess whether it is suitable for the intended application and to perform preliminary tests in any case. Always refer to the latest updated version of the technical data sheet available at www.colmef.com.

FOR MORE INFORMATION OR PARTICULAR USES, CONTACT THE COLMEF TECHNICAL SUPPORT DEPARTMENT.

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