



Technical Data Sheet



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Bagno Sano stop muffa

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High performance universal silicone sealant with excellent adhesion and anti-mould properties

CHARACTERISTICS

Bagno Sano Stop Muffa is a low modulus, one component, ready-to-use, pure neutral silicone sealant (alkoxy type) for sealing and bonding joints in sanitary and in facade joints where very high mildew resistance is required.

Bagno Sano Stop Muffa combines the advantages of excellent primerless adhesion properties (including on synthetic surfaces), neutrality and excellent long-term mould resistance properties.

- high mildew resistance by unique triple protection system :
 - avoids adhesion of fungi / mould spores
 - stops growth of fungi / mould on the surface
 - inhibits the production of fungi / mould spores
- 100% silicone
- low modulus
- 25% movement capability
- smooth and glossy appearance which allows it to be in harmony with today's sanitary equipment
- excellent UV-, weather and ageing resistance
- waterproof
- primerless adhesion on numerous substrates such as: ceramics, enamel, clear and layered glass (and all other glazed surfaces), metals, wood (painted or unpainted), PVC, PC, PMMA, concrete, etc.
- excellent adhesion on plastics, including PMMA (best adhesion profile in the range)
- non-corrosive
- odourless during application
- excellent resistance to fungal growth (5 years guarantee)
- good resistance against conventional cleaning products and a lot of chemicals

APPLICATIONS

Bagno Sano Stop Muffa can be used for :

- sealing and bonding of joints/expansion joints in sanitary and similar applications
- specially for sealing joints on acrylic bath tubs
- sealing of joints at wash basins, showers, kitchens, aluminium profiles, etc.



STANDARDS

EN 15651-1 (CE marking)	product type F-EXT-INT: sealant for facade for interior and exterior applications
EN 15651-2 (CE marking)	product type G: sealant for glazing applications
EN 15651-3 (CE marking)	product type S: sealant for sanitary applications
EN 15301-1	reaction to fire: class E
ISO 846-B	microbiological growth : level 0
ISO 11600	class F-25LM and G-25LM
SNJF glazing (France)	able to pass class 25E on anodized aluminium (primerless) and glass (primerless)
SNJF façade (France)	able to pass class 25E on anodized aluminium (primerless) and concrete M2 (primerless)
SNJF sanitary (France)	certified class E
DIN 18545-2 glazing (Germany)	able to pass class E
DIN 18540 façade (Germany)	able to pass
Others	Fresenius label cleanroom certificate certificate VDI 6022 (air conditioning plants) certificate VDI 2167 (resistance towards disinfecting agents)

TECHNICAL DATA

Before curing	
Type of silicone	Alkoxy
Appearance	Paste
Density (ISO 2811-1)	~ 1,04 g/ml
Resistance to flow (ISO 7390)	~ 0 mm

Curing	
Skin formation time (+23 °C / 50% RH)	~ 30 min.
Curing speed (+23°C, 50% RH, cross-section of joint 20x10mm)	~ 2,5 mm / day
Application temperature	+ 5 to + 40°C

After curing	
Shore A hardness (ISO 868)	~ 20
Movement capability (ISO 11600)	25%
Max. joint width	30 mm
Change of volume (ISO 10563)	~ 6%
Temperature Resistance	- 50 to + 120°C

Mechanical properties	
Elastic recovery (ISO 7389-A)	~ 90%
Modulus at 100% elongation (ISO 8339-A)	~ 0,3 N/mm ²
Elongation at break (ISO 8339-A)	~ 250 %

INSTRUCTIONS FOR USE

Bagno Sano Stop Muffa is supplied ready-to-use and can be applied from the original packaging with no special pre-treatment.



Surface preparation

All surfaces must be clean and dry, free from any dust and grease or anything which may be detrimental to correct adhesion of the sealant.

Residues of old sealant or other materials as well as mould on the substrate must be removed completely (if necessary use a silicone remover).

Degreasing is performed using a pad soaked in solvent (alcohol or white spirit) followed by wiping with a clean cloth.

Dust should be removed using oil-free compressed air.

To get best sealing results it is recommended to mask edges of the joints with a tape before application of the sealant mass.

Joint dimensions

The movement capability of the sealant as well as local regulations must be considered.

In general, the joint width must be > 10mm and < 35mm and the joint width should be twice the depth.

Recommended standard dimensions for exterior facade elements (acc. DIN 18540):

design joint width	15 mm	20 mm	25 mm	30 mm	35 mm
minimum joint width	10 mm	15 mm	20 mm	25 mm	30 mm
joint depth	8 mm	10 mm	12 mm	15 mm	15 mm

Recommended minimum joint width for joints around windows and exterior doors: 10 mm.

In case of rectangular sanitary joints, it is necessary to maintain a minimal depth of 5mm.

In case of triangular joints, both contact areas should be minimum 5mm wide.

Priming

Bagno Sano Stop Muffa has good adhesion properties without using a primer on plastic substrates, especially PMMA, and most common surfaces like, glass, ceramics, aluminium, etc.

Sealant application

Once a seal back-up material has been put in place (closed-cell polyethylene foam or open-cell polyurethane foam), the sealant should be applied ensuring that the seal is completely filled. Smoothing off the seal ensures good contact between the sealant and the bonding surfaces.

Directly after application, spray the joint with a mild detergent solution (soapy water) and smooth off with an appropriate tool.

Remove any tape immediately before surface skin is formed.

Smooth over any proud sealant edges immediately.

Cleaning tools

Areas soiled with fresh sealant may be cleaned with a dry pad or a pad soaked in a solvent.

Any cured sealant can be removed by scraping (e. g. using a razor blade) or by using a special silicone remover product.

Please note

The joint must be cleaned and maintained regularly.

Do not use oxidizing detergents like hydrogen-peroxide for cleaning of the joint, because that could cause discolouration of the sealant.

Take care of a good and regular air circulation in the room where the sealant is applied.

Curing speed is depending on temperature, air humidity and on the dimensions of the joint. Low temperatures, low air humidity or big joint dimensions need longer curing speeds.



Water-treatment of the sealant is possible after approx. 24 hours. Softness of the sealant disappears after approx. 3 days.

LIMITATIONS

Bagno Sano Stop Muffa is not recommended for joints that are in direct food contact.

Bagno Sano Stop Muffa is not recommended for structural glazing applications.

Bagno Sano Stop Muffa is not recommended for swimming pool joints, for aquarium joints or for applications under water.

Bagno Sano Stop Muffa seals must not be over-painted (poor covering and adhesion of the paint).

Before using Bagno Sano Stop Muffa on painted substrates, paint has to be completely dry and cured.

Prior compatibility tests are recommended, considering the variety of paints that exist.

Bagno Sano Stop Muffa is not recommended on materials which can exude certain components over time (butyl sealant, EPDM rubbers, polychloroprenes, etc.). Discolouration or reduction of adhesion properties could take place.

Application of Bagno Sano Stop Muffa on natural stone (e.g. marble, granite) is not recommended. For applications on natural stone use a special natural stone silicone.

Bagno Sano Stop Muffa is not recommended for applications on PTFE (Teflon®) or polyethylene.

For any applications on sensitive surfaces carry out preliminary testing to check compatibility with the sealant.

GENERAL INFORMATION

Storage

Store Bagno Sano Stop Muffa in a cool and dry place between + 5 °C and + 25 °C.

Shelf life is 12 months in the original packaging after date of manufacture (the expiry date is shown on the packaging).

HEALTH AND SAFETY

Before using the product please see related Material Safety Data Sheet that is available on request.

“The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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