

BOTAMENT® S 3 SUPAX

Natural Stone Silicone

BOTAMENT® S 3 SUPAX is an elastic sealant for filling expansion and connection joints in coverings made of natural stone.

In cured condition BOTAMENT® S 3 SUPAX is resistant to hot water, UV radiation as well as standard household cleaners.

Properties

- ❖ Flexible
- ❖ For interior and exterior areas
- ❖ Reduces border zone discolouration
- ❖ Suitable for many natural stones
- ❖ Neutral cross-linking
- ❖ Optimal shoulder bonding
- ❖ Odourless

Application areas

Filling of elastic joints in

- ❖ natural stone coverings
- ❖ ceramic tiles and slabs
- ❖ glass
- ❖ enamel
- ❖ hard PVC
- ❖ polyester

and many other comparable materials.

Substrate preparation

The substrate must be in the following condition:

- ❖ dry, clean and frost-free
- ❖ stable
- ❖ free from grease, paint, cement laitance, separating agents and loose particles
- ❖ degrease joint shoulders with acetone in advance

Technical data

material basis	neutral cross-linking 1-component silicone sealant based on oxime
colours	white (no. 10) pergamon (no. 11) silver grey (no. 16) concrete grey (no. 20) manhattan (no. 23) grey (no. 24) titanium grey (no. 25) anthracite (no. 26) bahama beige (no. 33) cocoa (no. 38)
packaging	310 ml plastic cartridge (6 pieces/ box)
storage	cool, dry and frost-free at least 18 months in its original sealed container
density	~ 1.0 kg/ dm ³
temperature resistance	- 40 °C up to + 180 °C
skin formation	after ~ 10 minutes
curing within 24 hours	~ 2- 3 mm
max. joint width	30 mm
shore-A-hardness	~ 30
max. overall deformation	~ 25 %
fully loadable	after ~ 7 days
consumption (ml/ m)	
	<i>joint width (mm)</i>
<i>joint dept (mm)</i>	<i>5 8 10 12 15 18 20 25 30</i>
5	25
8	64 80 96
10	100 120 150 180 200
12	144 180 216 240 300
15	225 270 300 375 450
18	324 360 450 540
application and substrate temperature	+ 5 °C up to + 30 °C
cleaning agent	PU- thinner

All times stated refer to the standard atmosphere of + 23 °C and 50 % relative humidity.
Higher temperatures and lower humidity accelerate, while lower temperatures and higher humidity delay processing time and curing.

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Joint formation

The joint width dimensions must be such that movement of the adjacent building elements do not cause expansions or compressions of more than 25 %.

Expansion joints

<i>joint width</i>	<i>required joint depth</i>
< 10 mm	like width (at least 6 mm)
≥ 10 mm	8 up to 10 mm
≥ 15 mm	8 up to 12 mm
≥ 20 mm	10 up to 14 mm
≥ 25 mm	12 up to 18 mm
≤ 30 mm	18 up to 20 mm

In case of deep joints the fitting of a closed-cell joint back filler profile is recommended.

When using BOTAMENT® S 3 SUPAX in exterior areas the width and the depth of the joint should be at least 10 mm.

Application

- ❖ mask joint edges thoroughly
- ❖ prior to the use of BOTAMENT® S 3 SUPAX cut off the tip of the cartridge thread
- ❖ screw attached nozzle onto the thread and cut it at an angle that corresponds to the width of the joints
- ❖ inject BOTAMENT® S 3 SUPAX with contact pressure using a cartridge gun or air gun
- ❖ smooth unevenness directly after injection with a brush or spatula (damped with low surface tension water)
- ❖ remove masking tape immediately afterwards

The bonding of the sealant to the bottom of the joint (three-sided adhesion) has to be avoided. Opened cartridges could be closed with a little bit of the sealant and stored this way for several days.

Important Tips

BOTAMENT® S 3 SUPAX is not suitable for the use onto substrates containing bitumen or tar.

During the processing as well as the hardening of BOTAMENT® S 3 SUPAX the site must be well aerated and ventilated.

Joint sealants on a silicone basis cannot be painted over.

In case of under-dimensioning, permanent wetness or heavy mechanical, chemical or physical load elastically filled joints are subject to restricted warranty and have to be checked and if necessary renewed to prevent follow-up damage. For this reason joints which are stressed in such a way are classed as maintenance joints.

To verify the bonding to the respective substrate we recommend conducting a site-specific test sample.

You can view or download the safety datasheet at www.botament.com.

Important Notice: The information provided here is based on our experience and is given to the best of our knowledge, but is non-binding. All instructions must be adapted to suit the individual building projects, the application purpose and the specific local conditions. Given these preconditions we shall be liable for the accuracy of the information given as outlined in our sales and delivery terms and conditions. Recommendations by our employees that deviate from this information are only binding for us if they have been confirmed in writing. In any case, the generally accepted technical rules must be adhered to. Edition GB-1606. Further technical details can be found in our technical data sheets on our website: www.botament.com.
MC Building Chemicals • Castleblayney • Co. Monaghan

Safety data sheet
according to 1907/2006/EC, Article 31

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name** **S 3 SUPAX**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** *No further relevant information available.*
- **Application of the substance / the mixture** *Silicate sealing*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** *BOTAMENT Systembaustoffe
Am Kruppwald 1
D-46238 Bottrop*
- **Informing department:** *Tel.: ++49(0)2041 101-90
Fax.: ++49(0)2041 101-988
Product safety department.
msds@botament.com*
- **1.4 Emergency telephone number:** *Tel.: +49 / (0)700 24112112 (MCR)
Tel.: +48612864565*

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008** *The product is not classified, according to the CLP regulation.*
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** *Void*
- **Hazard pictograms** *Void*
- **Signal word** *Void*
- **Hazard statements** *Void*
- **Additional information:** *Safety data sheet available on request.
Keep out of the reach of children*
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
 - **Description:** *Mixture of the substances listed below with harmless additions.*
 - **Dangerous components:**
- | | | |
|------------|---|----------|
| 37859-55-5 | O,O',O''-(methylsilylidyne)trioxime 2-pentanone | ≥0.1-<5% |
| | STOT RE 2, H373; Eye Irrit. 2, H319 | |
- **Additional information** *For the wording of the listed hazard phrases refer to section 16.*

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SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information** No special measures required.
- **After inhalation** Void
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** In case of persistent symptoms consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:** Collect mechanically.
- **6.4 Reference to other sections** No dangerous materials are released.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.

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- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures** The usual precautionary measures should be adhered to in handling the chemicals.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves** -
- **Penetration time of glove material** -
- **Eye protection:** Not required.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - **Form:** Pasty
 - **Colour:** According to product specification
 - **Smell:** Weak, characteristic
- **Change in condition**
 - **Melting point/freezing point:** Not determined
 - **Initial boiling point and boiling range:** 300 °C
- **Flash point:** 151 °C
- **Self-inflammability:** Product is not selfigniting.
- **Explosive properties:** Product is not explosive.
- **Density** Not determined
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix
- **9.2 Other information** No further relevant information available.

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SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** *Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packagings:**
- **Recommendation:** *Disposal must be made according to official regulations.*

SECTION 14: Transport information

· 14.1 UN-Number	
· ADR, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name	
· ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	Void
· 14.4 Packing group	
· ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases** *H319 Causes serious eye irritation.
H373 May cause damage to organs through prolonged or repeated exposure.*
- **Department issuing data specification sheet:** *Environment protection department.*
- **Contact:** *Mr. Hemming*

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- **Abbreviations and acronyms:** RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

- * **Data compared to the previous version altered.**

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