# KEMASIL

## Silicone sealant

- Acetate-based
- With fungicidal action
- For outdoor and indoor use
- For sealing applications in sanitation areas
- Resistant to chemicals
- One-component sealant
- Resistant against atmospheric influences and UV resistant
- Highly elasticity
- Excellent adherence
- Long open time


| | |
|---|---|
| **PRODUCT DESCRIPTION** | **One-component highly elastic silicone sealant with fungicidal action. Acetate-based sealant. The sealant is moisture-cured. It is entirely cured when the acetic acid has evaporated from the compound.**<br><br>**Colours harmonized with the grouting compound NANOCOLOR: S05 - silver grey, S07 - light grey, S10 - grey, S15 - medium grey, S20 - dark grey, S30 - anthracite grey, S40 - light brown, S50 - brown, S60 - white, S70 - manhattan, S75 - vanilla, S80 - beige, S85 - almond, S90 - sahara, S100 - terracotta, S105 - yellow, S110 - pink, S115 - ice blue, S120 - light blue, S130 - blue, S135 - green, S140 - light green, S150 - transparent.** |
| FIELD OF USE | The sealing compound KEMASIL exhibits excellent adhesion to glass, ceramics, glazed surfaces, aluminum, copelite glass. For permanently elastic joints in construction, for outdoor and indoor use and sealing in sanitation areas. Sealing tin is not recommended. |

PRODUCT PROPERTIES

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| PRODUCT DATA | | | |
|---|---|---|---|
| BASIC INFORMATION | **Appearance** | High viscous compound in 22 different colours | |
| | **Packing** | 310 ml in cartridge / 3720 ml (12x310 ml) in cardboard box | |
| | **Storage and expiration date** | 24 months from the day of manufacture when stored propelry in dry place and cool place under 25°C and in the original, sealed and undamaged packaging. Manufacture date is stamped on the packaging. | |
| TECHNICAL DATA | **Uncured sealant** | | |
| | **Basis** | Acetic acidic silicones | |
| | **Form** | Paste | |
| | **Curing mechanism** | Moisture curing | |
| | **Specific gravity** | 960 ± 10 kg/m$^3$ | |
| | **Skin formation time** | 10 - 30 min (by T=23°C and 50 % RH) | |
| | **Hardening time** | 2 mm/day (by T=23°C and 50 % RH) | |
| | **Resistance to flow** | 0 mm | EN 27390 |
| | **Application temperature** | +5°C to +40°C | |
| | **Hardened sealant** | | |
| | **Hardness Shore A** | 15-25 | ISO 868 |
| | **Tensile Strength** | 0,40 - 0,50 MPa | EN 28339 |
| | **Module E 100%** | 0,30 MPa | EN 28339 |
| | **Elongation at break** | 200-300 % | EN 28339 |
| | **Tensile strength** | > 1,0 MPa | ISO 37 rod 1 |
| | **Elongation at break** | > 500 % | ISO 37 rod 1 |
| | **Change in volume** | > 10 % | ISO 10563 |
| | **Elastic recovery** | 98 % | EN 27389 |
| | **Temperature resistance** | -40°C to +180°C | |

## INSTRUCTIONS FOR USE

**CONSUMPTION**

Consumption of sealing compound in ml per meter is product between width and depth of joint in mm.

Table 1: Consumption of sealing compound in ml with one cartridges 310 ml as to on width and depth of the joint

| WIDTH/ DEPTH OF THE JOINT (mm) | 6 | 8 | 10 | 12 | 15 | 20 |
|---|---|---|---|---|---|---|
| 6 | 8,5 | 6,4 | 5,2 | 4,5 | | |
| 8 | | 4,9 | 3,9 | 3,3 | 2,7 | |
| 10 | | | 3,2 | 2,7 | 2,2 | 1,7 |
| 12 | | | | 2,3 | 1,9 | 1,4 |
| 15 | | | | | 1,5 | 1,2 |
| 20 | | | | | | 1,0 |

**BASE**

Clean and dry, homogeneous, not frozen (over +5°C), free from oils and grease, dust and loose or friable particles. Cement laitance must be removed. By using the primers,give attention on colour of surface. On sensitive substrates, specific pretesting must be carried out.

**INSTALLATION**

Remove the pointedly part of cartridge, open the cartridge and put the pointedly part back on cartridge. Regarding the width of joint make askew cut on the pointedly part. Insert cartridge into sealant gun and firmly extrude KEMASIL into joint making sure that it is full contact with the side of the joint. Fill the joint, avoiding air entrapment. KEMASIL should be tooled firmly against joint sides to ensure good adhesion and to smooth with water and soap.

**CLEANING OF TOOL**

Clean all tools and application equipment with appopriate solvent immediately after use. Hardened / cured material can only be removed mechanically.

**OPEN TIME**

~ 10-30 minutes

**COAGULATION**

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## LIMITATIONS

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|---|---|
| BASE TEMPERATURE | +5°C min./ +30°C max. |
| AIR TEMPERATURE | +5°C min./ +30°C max. |
| MATERIAL TEMPERATURE | +5°C min./ +30°C max. |
| WARNINGS | • Times specified in the technical sheet were measured at the temperature of 23°C and relative air humidity of 50 %. Higher temperatures reduce, while lower temperatures prolong those times.<br>• Application of sealing compound in direkt sun, draught, on frozen substrate,rain and wind is not allowed.<br>• Protect freshly installed material from freezing, rain and other bad weather conditions. The material should not be used at (surface, air, material) temperatures lower than 5°C.<br>• Cured material is resistant at temperatures from -40°C to +180°C.<br>• Material stored in original packaging in dry and cool place at temperatures from +10°C to +25°C. |

**Recommendation:** Remains of unhardened/unset material had to be removed in accordance with the legislation.

**Data source:** All technical data in this technical sheet was obtained by laboratory research. Actual data may differ due to different working conditions.

**Local restrictions:** Due to specific local regulations the installed product can differ from country to country. For exact instructions for use a country specific technical sheet should be obtained.

## SAFETY DATA

Keep out of the reach of children. Wear suitable gloves. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Use only in well-ventilated areas.
For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

## LEGAL BASE

Information and recommendations related to use of KEMA products are presented in good faith and believed to be correct. The later is based on our knowledge and experience with the products. Information is supplied upon the condition that products are stored and used according to the recommendations and the persons receiving the same will make their own determination as to its suitability for their purposes prior to use. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to Information or the product to which information refers. In no event will KEMA be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information or the product to which Information refers. Nothing contained herein is to be construed as a recommendation to the use any product, process, equipment or formulation in conflict with any patent, and KEMA makes no representation or warranty, expressed or implied that the use thereof will not infringe any patent. All orders fall under current sales and supply conditions. The user should always check the latest technical sheet available upon demand.



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