

DESCRIPTION - MAXISIL "A" CERAMIC

Acetoxy Silicone Sealant with good tooling and smoothing properties in a large variety of colours

- Is a one-component silicone sealant.
- Is based on an acetoxy cross-linking system.
- Vulcanizes at room temperature (RTV)

FIELDS OF APPLICATION - EXAMPLES

Maxisil A Ceramic is designed for applications in the ceramic, sanitary, bathroom, kitchen and flooring sectors. For example it can be used for:

- Sealing connection joints between ceramic tiles, bath tubs, shower cabins, sinks etc.
- Sealing expansion joints of floors and walls.
- A wide variety of further applications in the building sector, such as:
- Sealing connection joints of door and window frames
- Sealing aluminium/glass constructions and windows
- Non-structural glazing of glass
- Glass block glazing
- Sealing parapet elements
- Sealing other building components.
- Interior/ exterior use.

Please note: Use Maxisil N natural stone silicone sealant for natural stone application such as marble and natural stone. For nonferrous and galvanized metals, we recommend a neutral cure silicone.

ADVANTAGES

- Good tooling and smoothing properties
- Excellent primerless adhesion to glazed and unglazed ceramic tiles
- Primerless adhesion to many other substrates
- Medium skin-forming time for easy handling
- Excellent weatherability, resistant to ageing, UV-radiation and chemicals and temperature resistance
- High mechanical strength ensures a good impact. Resistance (notched impact value, tensile strength and tearpropagation resistance)
- Ready-to-use
- Contains no solvents, such as formaldehyde, CFC, PCB, PCP
- Equipped with fungicides
- Meets DIN 18545, part 2,D (german industral standard)
- Variety of colours in stock special colours available on request.



1. TECHNICAL DATA

Viscosity	non-sag and pasty			
Density at 23 0C, 50 % RH	~ 1.0 g/cm3			
Shore-A-hardness	~ 18 to 22			
Temperature resistance	- 60 to + 180 0C			
Tooling temperature	+ 5 to + 35 0C			
Skin-forming time at 23 0C, 50 % RH	~8 to 12 min. ~2 to 3 mm			
Curing in 24 hours at 23 0C, 50 % RH				
Tensile strength	~1.2 to 1.5N/mm2 ~400 - 600 %			
Tensile elongation				
Modulus at 100 % elongation	~0.35 to 0.40 N/mm2			
Movement capability	~25%			
DI 16 16 400 00 50 0/ DI				

Shelf - life at 23 0C, 50 % RH

Cartridge/sachet: 12 months

Pail/drum: 6 months

This technical data is not intended for use in preparing specifications. Please contact ROBERTS DESIGNS AUSTRALIA before writing specifications.

2. INSTRUCTIONS FOR USE

2.1. SURFACE PREPARATION

Compatibility: Paints, lacquers, plastics and other coatings must be compatible to the sealant.

Cleaning: Clean all joints/substrates, remove all foreign matter and contaminants such as grease, oil, dust, water, frost, surface dirt, old sealants, glazing compound., protective coatings (e.g. bituminous coatings) and other substances which can affect adhesion. The joint edges must be firm.

Cleaners for porous substrates: They should be cleaned with stiff-bristled brush, rubbed down or sandblasted.

Cleaners for non-porous substrates: Cleaned with Maxisil A Ceramic Cleaner, methylated spirit or other cleaners with an acetone or isopropanol basis. Use a clean, lint free, cotton cloth.



2.2 BACK-UP FOAM AND TAPE

Back-up foam should be inserted in order to establish the correct depth of the joint and to avoid adhesion to the bottom of the joint.

Indoor use: PUR (polyurethane) back-up foam

Outdoor use: PE (polyethylene) back-up foam as cells are closed and water repellent

Shallow joints: PE back-up tape

2.3. PRIMER SCHEDULE

	SUBSTRATES	RECOMMENDED PRIMER
	Concrete, porous concrete, fibre-reinforced cement	105
	Mortar	1215/105
Concrete,	Brick	1215/105
Masonery,	Plaster	105
Natural stone	Sandstone	Maxisil N Natural Stone
	Marble, granite and all other kinds of natural stone	Maxisil N Natural Stone
	Artificial stone	Maxisil N Natural Stone
	Glass	+
Glass, Ceramics, porcelain	Glass, reflective	+
	Porcelaine coated materials	+
	Ceramic tiles, glazed	+
	Ceramic tiles unglazed	+
	Mirror glass	Mirror Adhesives
	Enameled/vitrified surfaces	+
Metals	Aluminium	+
	Aluminium, anodized	1216
	Aluminium, lacquered	Т
	Aluminium, flurocarbon coating	Т
	Chrone	1216



	Brass	-
	Iron, red lead painted	Use neutral cure silicone
	Stainless steel	1216
		Use neutral cure silicone
		Use neutral cure silicone
	Zinc	Use neutral cure silicone
	Copper	
Plastics	ABS	+ / T
	Acrylic glass, Perspex®, melamine-formaldehyde resin	Use Adhesive for plastics
	Epoxide	Т
	Formica®, Respoal®, melamine-formaldehyde resin	1216
	PVC, unplasticized	1217
	PVC, plasticized	1217
	Polyacrylate (Rohm Plexiglass®GS, ICI Perspex®, atohaas Altuglas®CS sanitary tubs etc.)	+ / 1216
	Polycarbonate	Use Adhesive for plastics
	Polyethylene, PE	-
	Polyamide	Т
	Polystyrene	Т
Wood	Wood, painted (solvent - based)	+
	Wood, unpainted (water - based)	Т
	Wood, untreated	1215
	Wood, varnished (solvent\ - based)	1216

Symbols used for Recommended Primer

- Not recommended
- + Good primerless adhesion
- T Test recommended



2.4 ADHESION AND PRIMING / PRIMER SCHEDULE

Application primer: The primer must be applied in a thin even layer on the flanks of the joint.

High demands on adhesion: Extreme fluctuations in temperature, tensile or shear forces, permanent water etc. cause high stress on adhesion. In such cases, it is advisable to apply primer according to the recommendations of our technical department.

2.5 APPLICATION SEALANT

Avoid direct contact between sealant and plasticiser emitting products: Direct contact between sealant and the following plasticiser emitting products should be avoided because these products may cause yellowing of light-coloured silicone sealants: e.g. butyl rubber, ethylenepropylendienemonomerpolymer (EPDM), neoprene, bituminous coatings and products.

Application sealant: Sealant must be applied after the primer has dried for at least 15 minutes.

Avoid air entrapment: The joint must be completely filled to avoid air entrapment and to make the joint leak-proof.

Tooling/smoothing: The sealant must be smoothly tooled before the skin forms in order to ensure integral contact with joint flanks. Our smoother shows an excellent tuning to our sealant and is particularly kind to the skin.

Masking tapes: Masking tapes must be removed immediately after tooling.

Silicone sealant and overpainting: The paint film will not stretch with the extension of the silicone sealant. The paint film may crack or peel and the silicone sealant may be damaged.

3. TECHNICAL SERVICE AND CONSULTING

Our technical department provides access to laboratory facilities and application support.

4. COLOUR

Please contact your local distributor for a list of available colours.

5. PACKAGING

310 g cartridge	400 ml sachet			
20	20			
1200	900			Other Packaging
250ml	500ml	1 ltr	Aluminium Bottle	on request
250ml	500ml	5 ltr		
250ml				
	20 1200 250ml 250ml	20 20 1200 900 250ml 500ml 250ml 500ml	20 20 1200 900 11tr 250ml 500ml 51tr	20 20 1200 900 250ml 500ml 1 ltr Aluminium Bottle 250ml 500ml 5 ltr



6. SAFETY

Please refer to the products material safety data sheet.

7. DISPOSAL

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

8. WARRANTY

All information, data, direction or advice presented by ROBERTS DESIGNS is believed to be accurate and reliable, but do not absolve the user from carefully checking all supplies immediately on receipt. However, as ROBERTS DESIGNS has no control over the uses to which its products may be put or the conditions of use, it is the users responsibility to determine suitability of use e.g. by performing own tests.

ROBERTS DESIGNS makes no warranties concerning the fitness or suitability of its products for a particular use. Statements concerning possible or suggested uses of the materials described herein cannot be seen as warranty for your application. ROBERTS DESIGNS warrants only that its products will meet its specifications. We reserve the right to alter product constants within the scope of technical progress or new developments.

Of course, ROBERTS DESIGNS can perform tests and deliver a special written recommendation for a specific application on request. If the application in which the products are used requires governmental approval or clearance, the user must obtain it.

In the event of a claim due to failure of our products, ROBERTS DESIGNS sole liability is limited to provide sufficient product for replacement. ROBERTS DESIGNS will not be liable for any labour or any other costs associated with the failure.

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.

9. EDITION

01/10/2011

This edition becomes invalid in the event of a republication

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