



ROMABOND SILICONE

Technical Data Sheet

INTRODUCTION

ROMABOND SILICONE is an one-component acetoxy cure silicone for a range of general sealing and glazing applications. It provides a strong adhesion and suitable for use on common non-porous building materials.

- Stays permanently elastic after curing
- Remains flexible in low and high temperatures
- Resistant to temperature extremes
- Resistance to aging, cracking and discoloring

APPLICATION AREAS

- Sealing around windows and doors
- Sealing in DIY applications
- On bathroom, kitchen and plumbing applications
- Connection and expansion joints on glass, porcelain, steel etc.
- Sealing electric, telephone etc. sockets and switches

TECHNICAL PROPERTIES

Properties	Value
Basis	Silicone Polymer
Color	Transparent, White
Density	0.96 - 0.98 g/ml (ASTM D792)
Curing Mechanism	Acetoxy
Hardness (Shore A)	15 - 25 (after 28 days)
Crust Formation	8 - 20 min. (23 °C and 50 % R.H.)
Curing Rate	Min. 2,5 mm/day (23 °C and 50 % R.H.)
Tensile Strength	≥ 0.7 N/mm ² (ASTM D412)
Breaking Extension	≥ 350 % (ASTM D412)
Sag	0 mm (ISO 7390)
Application Temperature	+5 °C / +40 °C



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APPLICATIONS

- Ensure that surfaces to be sealed are clean, dry and grease free.
- The application temperature must be between +5 °C and +40 °C.
- In order to reduce the defromations of the joints, their depth must be much less than their width, minimum dimensions are 5x5 mm, for wider joints the depth should be preferably half of the width and it is adjusted by the use of a backup material.
- After the application, the sealant must be tooled with light pressure within 5 minutes to spread the material against the joint surfaces and to obtain a Professional finish.
- Excess uncured sealant may be cleaned with solvent. Cured sealant can be removed barely mechanically.
- 6 mm joint depth is recommended for joint widths between 6 mm to 12 mm.
- Joint width and depth ratio should be about 2:1.

RESTRICTIONS

- It must not be used in totally confined spaces where sealant can not cure due to lack of atmospheric moisture.
- Not recommended to use on porous surfaces like marble, natural stone, concrete etc.
- Because of acidic curing, it must not be used on mirrors and sensitive metals like copper, brazen, lead.
- Not over paintable.
- Do not use in conjunction with bitumen asphalt, neoprene and certain organic elastomers.
- It is not suitable for food contact applications.
- Do not contact with water.
- Avoid from direct UV.
- Can yellow if exposed to bleach or HCL based brick cleaners whilst curing.

SAFETY

Inhalation of the sealant vapor for long period must be avoided. The application area must be ventilated properly. The uncured sealant must not be contacted for a long period. Cured silicone rubber bears no risk to health. Check MSDS guidelines for disposal and further information concerning safety.

STORAGE AND PACKAGING

ROMABOND SILICONE, is packed in 280 gr cartridges. Store in dry and cool place preferably between 5°C to 25°C. Always store on pallets. In these conditions the adhesive can be conserved for at least 12 months without changing its properties.

All the information in this technical datasheet is given in good faith and is the result of our own experience and tests and can only be considered as a guideline for operation. Egger Dekor is guarantee the constant quality of our products but we cannot be held responsible for the results obtained in their use, since the conditions of work are beyond our control. We recommend that tests should be made to determine the suitability of the product for a specific purpose before the production is started.