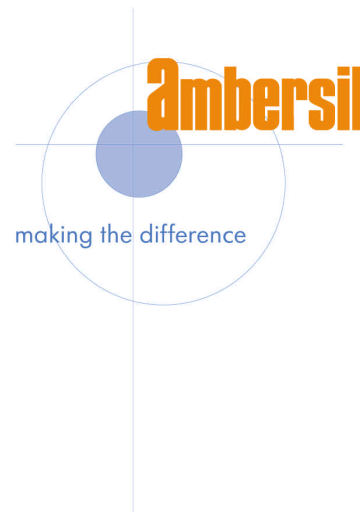


Technical Data



5029N **SILICONE ADHESIVE SEALANT**

AMBERSIL SILICONE ADHESIVE SEALANT 5029N is a low modulus, one part silicone sealant conforming to ISO 11600. The neutral curing system forms a durable silicone rubber on exposure to moist air. The cured sealant is non-fading and weatherproof, has outstanding durability and is capable of repeated extension and compression during service. 5029N also contains fungicide to inhibit fungal spore growth. 5029N is available in the following colours - White, Black and Translucent.

USES

Ambersil Silicone Adhesive Sealant 5029N is particularly suitable for porous alkaline substrates such as concrete, stone and brickwork or for use on joints where large movement is to be expected. The sealant's low modulus and excellent adhesion properties also make it an ideal sealant for glazing, curtain wall sealing and perimeter sealing of both plastic and aluminium frames.

JOINT PREPARATION

The joint faces to be bonded must be free from frost, loose debris, dust, oil and grease. Non-porous surfaces should be cleaned with a non-oily solvent (e.g. Ambersil Amberklene FE10). Flaking paint or lacquer should be removed.

JOINT DESIGNS

The joint width should not be less than 3mm, and the sealant may be applied in one application to joints up to 25mm wide. The depth of the joint should not be less than 6mm and not greater than 10mm. Although not critical, the depth should as far as possible be less than the width.

BACK UP MATERIAL

Back up strips can be used to control the joint depth and minimise adhesion to the back of the joint. Expanded polyethylene in rectangular rod form is recommended, but polyurethane and neoprene can also be used. Some rubbers contain plasticisers which leach into silicone sealant and discolour it. A test on these backing materials should be made to ensure staining does not occur.

TYPICAL PROPERTIES

UNCURED SEALANT:

Consistency	:	Smooth easily extrudable paste
Sag or Flow	:	Nil
Specific Gravity (colours)	:	1.10 – 1.24
Specific Gravity (translucent)	:	1.02 – 1.08
Skinning Time	:	8 – 13 minutes
Curing	:	1 – 2 mm per day

CURED SEALANT

Hardness (colours)	:	22 – 28 Shore A
Hardness (translucent)	:	17 – 23 Shore A
Elongation at break %	:	500 approx.
Temperature resistance	:	-50°C to +180°C
Cured characteristic	:	Permanently elasticity approx. 25%

PACKAGES

Ambersil Silicone Adhesive Sealant 5029N is available in non returnable 310ml cartridges.

LIMITATIONS

Ambersil Silicone Adhesive Sealant 5029N is not recommended in situations where abrasion and physical abuse are encountered. It should not be applied to materials that bleed oil, plasticiser or solvents. 5029N should not be used for aquarium applications.

STORAGE

Store the sealant in a cool dry place out of direct sunlight at temperatures not exceeding 30°C. Under these conditions the sealant, in its original unopened package, has a storage life of 12 months.

CAUTION

On direct contact uncured sealant irritates the eyes. In case of contact, remove sealant, flush eyes with plenty of water and seek medical attention.

HEALTH AND SAFETY - Health and Safety sheet available separately.

TECHNICAL SERVICE - Ambersil provides a technical support service and maintains a constant programme of research and development. We are able to assist customers by specific product development to meet particular requirements.

MISREPRESENTATION ACT 1967

TRADE DESCRIPTIONS ACT 1968

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