

Geocel LM

One-Part LM Silicone Sealant

Alkoxy silicone sealant

APPLICATIONS

Geocel LM Silicone Sealant is a one-part sealant, which has been specifically developed for use by the sealant contractor. It has good adhesion to a range of non-porous substrates including glass, aluminum and painted wood.

TYPICAL PROPERTIES

The following values are not intended for use in preparing specifications:

Cure Type : Alkoxy

Working Time : 5-15 minutes

Slump : Nil

Tack Free Time : 25 minutes

Cure Time for 2.0 mm Depth : 24 hours

Application Temperature Range : +5°C to +30°C

BENEFITS

- Neutral cure
- Specifically developed for the Sealant Applicator
- Low modulus, high elasticity
- Good unprimed adhesion to a variety of substrates
- Low odour
- Resistant to ozone, ultra-violet radiation and temperature extremes

HOW TO USE

Surface Preparation

Ensure that surfaces to be sealed are clean, dry, sound and free from frost. Clean all joints of release agents, water repellents, laitance, dust, dirt, old sealants and other contaminants, which could impair adhesion. Non-porous surfaces should be cleaned and degreased by wiping with a suitable solvent such as Geocel Surface Cleaner on an oil and lint-free cloth before application of the sealant. Porous substrates should be mechanically cleaned using a steel brush, sanding disc or any similar means.

Note: When using any solvent, always provide adequate ventilation. Avoid heat, sparks and open flames. Use solvent resistant gloves. Observe and follow all precautions listed on solvent container label.

Masking

Areas adjacent to the joints should be masked with tape to prevent contamination of the substrates and to ensure a neat sealant line. Masking tape should be removed immediately after tooling.

Priming

Primer is not required on most common non-porous substrates. However, a test placement prior to general use is always recommended. For specific advice, please refer to the Geocel technical department.

Back-Up Materials

Closed cell polyethylene backer rod is recommended as a back up material to provide back pressure and avoid three-sided adhesion that limits sealant movement capability. Low tack polyethylene tape should be used in joints too shallow to allow the use of backer rod.

Finishing

The joint should be tooled within 5 minutes of application to ensure good contact between the sealant and the substrate. Tooling of the sealant also gives a smooth, professional finish.

Clean-Up

Excess sealant may be cleaned off tools and non-porous surfaces whilst in an uncured state using Geocel Surface Universal Cleaner. If sealant is misapplied to porous substrates, it should be left until just cured, and then removed by peeling, cutting or other mechanical means. Care should be taken not to damage plastic or coated surface.

Joint Design

When designing joints using Geocel LM, the minimum width should be 6mm. For joints between 6mm-12mm wide, a seal depth of 6mm is required. For joints above 12mm wide, a width to depth ratio of 2:1 should be used. In situations where fillet joints are needed, a minimum of 6mm sealant bite to each substrate is recommended.

USEABLE LIFE AND STORAGE

Geocel LM Silicone Sealant should be stored in cool and dry conditions.

When stored at or below 30°C (86°F) in the original unopened container, Geocel LM Silicone Sealant has a useable life of 12 months from date of manufacture.

COLOUR RANGE & PACKAGING

Geocel LM is available in white and is supplied in 380ml cartridges, packed in boxes of 20.

HANDLING PRECAUTIONS

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. You may obtain copies of the information from the Geocel technical department

LIMITATIONS

Do not use Geocel LM Silicone Sealant on bituminous substrates, substrates based on natural rubber, chloroprene or EPDM or on building materials, which might bleed oils, plasticisers or solvents. Do not use Geocel LM Silicone Sealant in a totally confined space because the sealant requires atmospheric moisture to cure. Geocel LM Silicone sealant is not recommended for use on submerged joints or in joints where physical abuse or abrasion are likely to occur. Geocel LM Silicone Sealant is not suitable for food contact applications.

It is recommended that Geocel LM Silicone Sealant is not applied to surfaces that are below 5°C (41°F) as it is impossible to guarantee a dry surface at these temperatures.

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Geocel products are safe, effective and fully satisfactory for the intended end use.

Suggestions of use shall not be taken as inducements to infringe any patent.

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