

# Geocel LM Silicone

## ONE-PART LM SILICONE SEALANT ALKOXY SILICONE SEALANT

### Description

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, aluminium and painted wood.

### Benefits

- Neutral cure, No slump
- Specifically developed for the Sealant Applicator
- Low modulus, high elasticity
- Low odour
- Resistant to ultra-violet radiation and temperature extremes
- Conforms to ISO 11600 25LM
- Improved low temperature gunning, with good tooling characteristics.
- Excellent adhesion to both porous and non porous substrates
- High movement capability
- Low dirt pick up
- Extended colour range to be added
- Good Adhesion to Porous Surfaces such as Brickwork, Masonry and Concrete.
- Colours available: White, Clear, Mid Grey, Buff, Anthrazite, Brick Red, Portland Stone
- Pack Size: 380ml Cartridges, 400ml sausages  
(White only)



## APPLICATION

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.

## 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 up to a maximum depth of 12mm. In situations where fillet joints are needed, a minimum of 6mm sealant bite to each substrate is recommended.

## PRIMING

Primer is not required on most common 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.

## HEALTH AND SAFETY

Health and Safety data sheets available on request.

## PACKAGING

Geocel **LM** Silicone Sealant is available in 380ml cartridges packed in boxes of 20. Geocel **LM** is also available in 400ml sausages packed in boxes of 15.

## 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.

For further technical information, advice on suitability for specific applications, or detailed Health and Safety information, contact **Geocel® Technical Service**.

**IMPORTANT NOTE** 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's 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.

Geocel's sole warranty is that the product will meet the Geocel sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

# Geocel®

Geocel Limited

Western Wood Way, Langage Science Park, Plympton, Plymouth, Devon, PL7 5BG

Tel: 01752 334350 Fax: 01752 202065

Email: [info@geocel.co.uk](mailto:info@geocel.co.uk) [www.geocel.co.uk](http://www.geocel.co.uk)