

## Low Modulus

### Product Description

Sealprem Low Modulus is a neutral curing construction alcoxysilicone sealant for both internal and external applications.

### Features

- Excellent un-primed adhesion to most building components
- Suitable for sealing a wide range of construction and expansion joints in buildings

### Typical Applications

- A wide range of construction and expansion joints in buildings
- Sealing PVC, anodized metal, mill finished aluminium, steel, stainless steel and ceramics
- Concrete, masonry and EPDM, plus other porous surfaces

### Application Advice

To achieve the performance required from a cartridge sealant or adhesive, please ensure the following is achieved:

1. Surface is clean, dry and dust free
2. Avoid cross contamination with chemicals (if unsure please see contact with your technical advisor)
3. System manufacturers guidance is followed with regard to grade of material for warranty purposes
4. System manufacturers guidance is followed with regard to positioning of material

Failure to follow these guidelines may impact on the longevity and success of the seal.



*Please note: The above technical information is given as a guide and is based on recent test data obtained under laboratory conditions. Materials should be fully tested by the end user to establish suitability of the product for the intended application. October 2014*

#### Premier Sealant Systems Ltd

Mercia Way Foxhills Industrial Park Scunthorpe, DN15 8RE, England

Tel. 01724 864100 | Fax. 01724 860116 | Email. sales@sealprem.co.uk | Website. www.sealprem.co.uk

## Low Modulus

### Application Instructions

It is important to remember that correct application of the sealant is key to good adhesion. Surfaces to which Sealprem's Low Modulus Silicone is to adhere must be clean and free from loose material, standing water or contaminants, which otherwise may impair the bond. Non-porous surfaces such as aluminium should be cleaned with a suitable product.

For applications where movement will be exhibited i.e. construction joints, the minimum joint dimensions should be 6mm x 6mm with the maximum dimensions being 25mm wide by 12mm deep. Where deeper joints are found, depth can be reduced using a suitable backer rod. Areas of perimeter pointing where a fillet is to be applied, the minimum measurement across must be 10mm with a minimum depth of 6mm. If conditions are suitable for application ensure joints are properly prepared, and apply sealant firmly into the joint using an application gun. Ensure a good solid fill is achieved. Once applied, sealant can be tooled within 5 minutes to required finish.

Low Modulus Silicone	
Standard	Classification - ISO011600-F&G-25LM
Colours	Translucent / White / Other RAL colours available subject to MOQ
Movement	± 25%
Service temperature	-50°C to +150°C
Application temperature	+5°C to +40°C
UV resistance	Excellent
Chemical resistance	Unaffected by water, diluted acids and alkalis, soap & household detergents
Life expectancy	20 years +
Storage	In dry conditions +5°C to +25°C
Shelf Life	Up to 12 months when stored in unopened cartridges under cool dry conditions

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Sealprem cartridge LM, MS Hi-Bond, FR IM

Storage and Transportation Advice

STORAGE TEMPERATURE: between 5 °C and 25 °C Ambient

TRANSPORT TEMPERATURE: between 5 °C and 25 °C Ambient

LOADING/UNLOADING TEMPERATURE: Ambient

STORAGE/TRANSPORT PRESSURE (kPa): Atmospheric

USUAL SHIPPING CONTAINERS: This product can be transported by shipping container. Where possible avoid any excessive heat and prolonged exposure. Continuous exposure may impact shelf life and product performance. Supplied in cardboard cartons.

MATERIALS AND COATINGS UNSUITABLE: None

STORAGE / HANDLING, GENERAL NOTES: Store in a cool, well-ventilated place. Do not store cartons of product near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Shelf life of 12 months in ambient conditions. However, this may be impacted due to extreme conditions outside of these parameters.

Storage temperatures between 5 °C and 25 °C would be advisable however storage outside of these temperatures is possible hence the terms cool and ambient.

IF STORAGE AND TRANSPORTATION IS BELIEVED TO BE BEYOND THESE CONDITIONS PLEASE CONTACT US TO DISCUSS A SPECIFIC PRODUCT FOR YOUR ENVIRONMENT.

OVER EXPOSURE MAY IMPACT ON THE LONGEVITY AND SUITABILITY FOR AN APPLICATION.



**Premier Sealant Systems Ltd.**

T 01724 864 100 | E [sales@sealprem.co.uk](mailto:sales@sealprem.co.uk) | [www.sealprem.co.uk](http://www.sealprem.co.uk)

Mercia Way, Foxhills Industrial Park, Scunthorpe, DN15 8RE  
Registered Office: 19 Titan Court, Luton, LU4 8LL | Registered in Cardiff No. 3000843