

## FM06LM NEUTRAL CURE SILICONE SEALANT

### Product Description

A neutral cure, low modulus premium performance silicone sealant designed for weather sealing and jointsealing in a wide range of applications in building and construction. Non-corrosive and odour less with outstanding adhesion to a wide range of materials.

### Properties

- ✓ 100% solvent free silicone
- ✓ Excellent weatherproof and UV resistance
- ✓ No Cracking or Shrinking
- ✓ Water resistant
- ✓ Very low odour and noncorrosive
- ✓ Excellent flexibility and adhesion to numerous porous and non-porous substrates for construction and glazing applications.
- ✓ Resistant to temperature extremes (-60 °C to +180 °C).
- ✓ Fast curing, low modulus, high elasticity.
- ✓ High viscosity non slump formula.

### Applications

- ✓ Weather sealing and joint sealing for walls, windows and doors.
- ✓ Glass to glass and glass to aluminium sealing.
- ✓ Sealing applications in sanitary areas such as kitchens and bathrooms.
- ✓ Sealing of connection joints in building industry (brick, wall, concrete, PVC, wood, glass etc.)

### Instructions

- ✓ Ensure that surfaces to be sealed are clean, dry and grease free.
- ✓ The application temperature must be between +5°C and +40°C.
- ✓ To reduce the deformation of the joint minimum dimensions are 5x5 mm, for wider joints the depth should be preferably half of the width which can be adjusted by use of a backup material.
- ✓ Recommended joint widths are >10 mm and < 35 mm.
- ✓ Joint width and depth ratio should be about 2:1.
- ✓ After the application, the sealant must be tooled with light pressure within 5 minutes to spread the material against the joint surfaces to ensure a weatherproof seal and professional finish.
- ✓ Excess uncured sealant may be cleaned with appropriate solvent. Cured sealant can be removed mechanically.

### Consumption (approx.)

Joint Width	10mm	15mm	20 mm
Joint Depth	6mm	8mm	10 mm
Efficiency /310 ml	5 meters	2.5 meters	1.5 meters

### Surface Preparation

All surfaces must be cleaned with appropriate cleaner and grease and dust free.

### Standards

Meets or exceeds the requirements of the following specifications:

- ✓ EN 15651 – 1 (Facades)
- ✓ EN 15651 – 2 (Glazing)
- ✓ EN 15651 – 3 (Sanitary areas)
- ✓ French VOC requirements for class A+
- ✓ ISO 11600 F & G 20LM.
- ✓ CE marked EN 15651 for façade, glazing and sanitary applications.
- ✓ The requirements of VOC content specifications in LEED credit EQc4.1 “Low-emitting products” of SCAQMD rule 1168.



## Restrictions

- ✓ It must not be used in totally confined spaces where sealant cannot cure due to lack of atmospheric moisture.
- ✓ 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 use to produce swimming pool joints.
- ✓ Can yellow if exposed to bleach or HCL based brick cleaners whilst curing.

## Storage And Shelf Life;

The shelf life is 15 months if stored in unopened-original package in a dry place at temperatures between +5°C and +25°C.

## Safety & Disposal

See product safety data sheet for more information.

Inhalation of the sealant vapor for a 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 bears no risk to health at temperatures between +5°C and +25°C.

## Properties

Basis:	Silicone Polymer(Oxime)	
Curing System:	Neutral	
Density (Transparent and Aluminum):	1.02± 0.03 g/ml	(ASTM D 792)
Density (Other Colors):	1.20± 0.03 g/ml	(ASTM D 792)
Hardness Shore A (Transparent and Aluminum):	17-25 (after 28 days)	
Hardness Shore A (Other Colors):	22-32 (after 28 days)	
Tensile Strength:	≤ 0,4 N/mm <sup>2</sup> (23°C and 50% R.H) (ISO 8339)	
Temperature Resistance:	-60°C to +180°C	
Application Temperature:	+5°C to +40°C	
Elongation At Break (Transparent and Aluminum):	≥ 400%	(ASTM D412)
Elongation At Break (Other Colors):	≥350%	
Elastic Recovery:	Approx. 100%	(ISO 7389)
Sagging:	0 mm	(ISO 7390)

## Product

Product Type	Volume	Box Quantity
Transparent, White	310ml	24

## DISCLAIMER

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.

