

# FLASH-MATE

## Low Modulus Lead Silicone

### Technical Data Sheet



### MATE SILICONE & SEALANT RANGE

CLASS  
EN15651-1: F EXT-INT

#### Description:

*A high performance neutral cure silicone sealant specifically designed for use with roofing products both modern and traditional, internally and externally. Conforms to EN15651-1: F EXT-INT.*

#### Features & Benefits:

- ◆ Stops weather ingression, tile lift and noise.
- ◆ Fast skinning.
- ◆ Weatherproof.
- ◆ For interior and exterior use.
- ◆ Excellent UV, heat and ozone resistance.
- ◆ Permanently flexible.

#### Uses

Bond It FLASH-MATE is a low modulus neutral cure roof sealant that sets to a tough resilient rubber. Used to seal or bond dissimilar materials to prevent weather ingression, tile lifting and wind noise. Can be used to bond glass and glazing plastics as well as small sections of roofing materials under repair. Ideally suited for sealing rooflights, conservatories, soffits, glass houses, industrial roofing systems, lead flashing, guttering, cladding, solar energy systems and mechanical fasteners.

FLASH-MATE is compatible with lead, galvanised steel and all metals. It is ideal for use on: glass; slate; all metals including lead and galvanised steel; concrete and brick; GRP; sealed timber; plastics (including polycarbonate); acrylics; PVCu and all painted surfaces.

#### Limitations

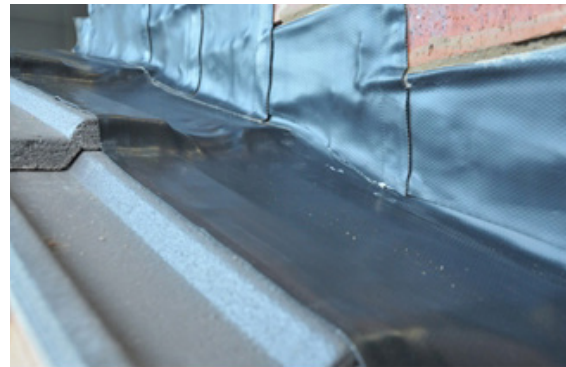
Porous surfaces, including bitumen and asphalt, should be primed first. Do not use on surfaces where water can penetrate through porous materials to the bond interface without first carrying out remedial work. Not suitable for use on natural stone, without priming or for use on aquaria.

#### Preparation

Ensure all surfaces are clean, dry and free from grease or any contaminants that may hinder adhesion. Priming may be necessary on porous surfaces.

#### Application

Apply using a standard sealant gun with the nozzle cut at an angle of 45°, and to an opening slightly larger than the joint to be sealed. Best tooling is achieved if you leave for 5-10 minutes after application before smoothing. Polyethylene foam backing rod



pushed into construction joints before sealing gives a technically superior joint and minimises sealant consumption. For bonding press the two surfaces together before skinning commences. On very hot roofs skinning time will be much shorter.

Once the silicone has been applied and tooled rain will not have any adverse effects on the sealant.

Tools can be cleaned in Bond It WHITE SPIRIT or MULTI-WIPES prior to curing taking place.



#### Coverage

Depending upon substrate condition and porosity approximately 10 linear metres with a 6mm bead per cartridge.

#### Colour

FLASH-MATE is available in grey only.

#### Size

EU3 plastic cartridge.

#### Shelf Life

Minimum 12 months from date of manufacture when stored in original, unopened cartridges.

#### Storage Conditions

Store in cool, dry conditions at a temperature between +5°C and +25°C. Protect from frost and direct sunlight.

#### Disposal of Containers

Do not leave empty containers where residue could be harmful to

children, animals or the environment. Remove any containers to a central disposal point in accordance with local regulations.

## Health & Safety

Please refer to separate safety data sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's responsibility to determine suitability for use. If in doubt, contact our Technical Department for advice.



**Note: this information is for general guidance only, since site conditions and labour are beyond our control.**

## Specification Summary

Tooling Time	5-10 minutes
Skin Time (at +23°C and 50% RH)	10-15 minutes
Full Cure Time (at +23°C and 50% RH)	approx. 3mm per day
Application Temperature	+5°C to +30°C
Service Temperature	-50°C to +120°C continuous exposure, higher temperatures can be withstood for limited periods
Elongation At Break	Approx. 200%
Solubility in Water	Insoluble
Secant Modulus	250N
Elastic Recovery	100%
Movement Capability	±20%
Density	1.29g/cm <sup>3</sup>
Commodity Code	3214101000

## Product / Order Details

Code	Colour	Fill	Barcode	UFI
BDLEAD	Grey	285ml	5060021363466	3P30-NOCN-Y00X-UVE4

 <b>23</b>	 <b>23</b>
<b>BOND IT</b> G16 River Bank Way, Elland, HX5 9DN. UK	
<b>EN15651-1: 2012</b> <b>F EXT - INT</b>	
<b>DoP: BDLEAD</b> <b>NB: 2538</b>	<b>DoP: BDLEAD</b> <b>NB: 0757</b>
Façade sealant for interior and exterior use.	
<b>Reaction to fire</b>	E
<b>Release of chemicals</b>	None
<b>Elastic Recovery</b>	≥70%
<b>Resistance to flow</b>	< 3mm
<b>Loss of volume</b>	NPD
<b>Adhesion / cohesion after water immersion</b>	≥25%
<b>Adhesion / cohesion at maintained extension</b>	NF
<b>Adhesion / cohesion at variable temperature</b>	NF
<b>Secant Modulus @ +23°C</b>	<0.4N/mm <sup>2</sup>
<b>Secant Modulus @ -20°C</b>	<0.6N/mm <sup>2</sup>
<b>Tensile properties at maintained extension</b>	NF
<b>Durability</b>	Pass



## Part of the Bond It Silicone & Sealants Range

**Head Office:** Unit G16 River Bank Way, Lowfields Business Park, Elland, West Yorkshire HX5 9DN.

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**Note:** The data presented in this leaflet is in accordance with the present state of our knowledge, but does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.



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ISO 14001  
ISO 45001

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**bond it**