	BOSSIL TECHNOLOGY SDN. BHD.	Issued Date: 27/03/09 Revision No.: 5 Revised Date: 16/1/15
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	BS-2800 LM PU Sealant	

Product Specification:

Curing System:	Moisture Curing
Appearance:	Paste
Density:	1.55 g/mL (White & Grey colour) 1.52 g/mL (Black colour)
Skin Over Time:	35 - 60 minutes
Tensile at Break (ASTM D412):	1.0 N/mm ²
Elongation at Break (ASTM D412):	>900%
Lap Shear Strength, Al to Al (ASTM D1002):	0.5 N/mm ²
Shore A Hardness (ASTM C661):	25 – 35
VOC content: (California Air Resources Board Method 310)	< 4%
Application Temperature:	5°C to 40°C
Service Temperature:	-30°C to 100°C
Packaging:	600ml (sausage)



Product Description:

A one component, low modulus polyurethane sealant formulated for construction joint sealing applications. It will bond to form a durable, flexible seal capable of cyclic expansion and compression movement of 50% (±25%) of the original width. It is virtually unaffected by normal weathering conditions such as rain, UV radiation, snow, atmospheric contamination and pollution etc. It is paintable and non-staining hence ideal for bonding of natural stone like granite and marble.

Applications:

Well-suited for insitu concrete, precast and tilt up panels, brick & block-work, plaster board, aluminum windows, granite, sandstone and marble, GRC, fiberglass & specialty systems, metal curtain wall, water tank etc. It is not Outgassing hence suitable for Clean Room applications.


Coverage:

The coverage below is the approximate linear meter coverage per pack size (600ml):

Joint Size	6 mm x 6 mm	10 mm x 10 mm	20mm x 10 mm
Estimated Length	16.7 m	6 m	3 m

Formula: $(W \times D \times L) \div 1000 = \text{litre}$

W = Width (mm) D = Depth (mm) L = Length (meter)

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Direction:

- Surfaces must be clean, dry and free of dirt, grease, oil or water.
- Cut tip off and puncture the internal foil seal with nozzle. Cut nozzle at 45° angle to desire bead-width and apply to substrate with cartridge gun.
- Dust and loose particles should be blown out of joints or vacuum cleaned.
- Non porous surfaces may require preparation / priming.
- Cleaning solvent should not be allowed to dry or evaporate without being wiped with a clean, dry cloth.
- Clip the end of the sausage and place in a barrel gun.
- Screw end cap and nozzle on the barrel gun.
- Use the trigger to extrude the sealant and to stop using the catch plate.
- Apply the sealant in a continuous bead using enough pressure to properly fill the joint.
- For a neat finish, apply masking tape and remove it before sealant has skinned over.

Limitation:

The BS-2800 LM PU Sealant should **not** be:

- Use in chlorinated water such as swimming pools, spas etc.
- Constant immersed in salt water.
- Used for glazing applications.
- Applied to cement based substrates within 28 days
- Used in trafficable joints greater than 10mm width
- Applied at temperatures below 5°C

Joint Design:

- Prime prior to the installation of the backing rod.
- Always use backing rod for correct sealant geometry.
- Ensure maximum adhesion to bond face and depth to width ratio of 1:1 to 12mm and 2:1 from 12mm to 50mm.
- Tool sealant to achieve concave shape.

Caution:

- Uncured sealant may cause skin, eyes and respiratory system irritation.
- Use appropriate personal protective goggles and gloves to avoid contact with skin and eyes.
- In case of eyes contact or irritation, flush eyes immediately with running water for 15 minutes and get medical attention.
- In case of skin contact, remove contaminated clothing and wash skin thoroughly for 15 minutes and see a doctor as soon as possible.
- Keep out of reach of children. Use in well ventilated areas.

Storage:

- Store in a dry and cool place with temperature below +30°C.
- Use within 12 months from date of production.

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of various of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.

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