

Technical Data Sheet

BMS58 POLYMER

Revised 03.08.10



BARNWELL

THE SEAL OF APPROVAL

MS58 POLYMER

PRODUCT DESCRIPTION

BMS58 Polymer is a single component, high modulus, Moisture curing modified silane adhesive/sealant.

APPLICATIONS

BS58 Polymer is a high quality adhesive/sealant suitable for making permanent elastic seals of high strength. BMS58 Polymer offers excellent primerless adhesion to most common materials such as steel, anodized aluminium, wood, concrete, stone among others.

USEFUL NOTES

- Does not contain Isocyanate
- High modulus
- High elasticity
- Good weathering
- Clean
- Low Odour
- Bonds well to a wide variety of substrates

INSTRUCTIONS FOR USE

- Ensure surfaces to be bonded and/or sealed are clean and free from grease, dust and any other contamination.
- Where applicable prefill joints with a cross linked Polyethylene foam to give the required joint depth.
- For maximum bond strength prime surfaces with Bondloc Universal Primer.
- Pierce metal seal on the tip of the cartridge and screw on nozzle.
- Cut nozzle to desired size, cutting at a 45° angle.
- Insert cartridge into gun and press out the metal seal at the base of the cartridge.
- Apply the material at the desired rate.
- Smooth the surface of the joint with a spatula or similar tool dipped in water that contains a little detergent.
- Allow to cure (see Typical Adhesive/Sealant Characteristics).

Automatic Application: BMS58 Polymer can be applied via semi and fully automatic machinery. Please consult our technical department for further details.

STORAGE

When stored in a dry area between 5°C and 25°C BMS58 will have shelf life of 12 months.

HEALTH & SAFETY IN USE

This Technical Information Sheet does not constitute a Material Safety Data Sheet. Before using this product ensure you have read and fully understood Bondloc Material Safety Data Sheet BMS58 Polymer.

TYPICAL COVERAGE RATES

Estimated linear metres per 310ml cartridge.

Depth (mm)	3	6	8	10	12	15	20	25
3	34.4							
6		8.6	6.5	5.2	4.3			
8			4.8	3.9	3.2	2.6		
10				3.1	2.6	2.1	1.6	
12					2.2	1.7	1.3	1.0

Coverage rates per litre are available from our Technical Department.

TECHNICAL FEATURES

Chemical Base	Moisture curing Elastomeric
Colour	Clear, White, Black, Grey
Specific Gravity	1.06
Shrinkage (DIN 52451)	6% APPROXIMATELY
Shore A Hardness	40
Elongation at break (ASTM D412)	>300%
Modulus at break (ISO 8339)	0.7 Mpa
Staining	None
Lap Shear Resistance	1.2 Mpa
Recovery	45
Curing Speed @ 23°C and 50% RH	4mm per 24 hours
Skin formation	Approximately 10 minutes
Temperature range	-40°C - +90°C

PRESENTATION

Cartridge.....310ml

PRECAUTIONS: This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the product.

Warranty: All products purchased from or supplied by Bondloc are subject to terms and conditions set out in the contract. Bondloc warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Bondloc is considered accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Bondloc makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.