



SEALANTS • ADHESIVES • COATINGS

## Technical Datasheet BM18

Version October 2023

### BM18

#### Product Description

BM18 is an elastic 1-component hybrid adhesive based upon MS Polymers for the bonding and sealing of EPDM rubber. Product is a lower viscosity of our BM03 EPDM Adhesive.

#### Typical Applications

EPDM bonding and sealing.

#### Technical Properties

Density 1.60

Shore A Hardness 45

Skin Formation Time (at 20°C) 25 minutes

Curing after 24 hours at 23° C/50% RH 2mm

Elongation at Break 500%

Tensile Strength 1.60 N/mm<sup>2</sup>

Volume Shrinkage < 5%

Ideal Processing Temperature +5°C to +40°C

Long Term Temperature Resistance -40°C to + 90°C

Shelf Life 12 months

#### Properties

Lower viscosity for easier application. Excellent toolability and easy to work with.

Excellent adhesion to most common EPDM systems.

Good adhesion to many common construction materials.

Silicone and isocyanate free.

## **Important Information**

All adherent surfaces must be clean and free of release agents, grease, oil, dust, water, old adhesives and sealants and any other substances that could affect adhesion. Clean and remove any contaminants of the adherent surfaces. BM18 will adhere on condensed surfaces but final and long-term adhesion can be compromised.

For concrete, plaster, fibre cement, masonry, stone, and other similar substrates the use of a primer is recommended.

Good resistance to water, dilute acids and alkalis, aliphatic solvents. Aromatic solvents, concentrated acids and chlorinated hydrocarbons can have an impact on the product.

BM18 does not stick to PE, PP, PC, PMMA, PTFE, Neoprene and Bituminous surfaces BM18 can be painted but due to the large number of paints and coatings on the market we recommend compatibility and adhesion testing in advance.

Not recommended as a glazing sealant or for aquariums/fish tanks.

Not recommended for natural stone applications due to risk of migratory staining. BM18 has good UV resistance but can discolour under extreme conditions and long exposure to UV light.

## **Packaging**

600ml foils

Colours; Black.

## **Safety Precautions & Disposal**

Please refer to the information on our Safety Datasheet.

## **Warranty**

All information in this Technical Datasheet is based on our current technical knowledge and experience. As conditions and methods of use and application of our products are beyond our control, we suggest that you test the product before final use. Information on this sheet is not a warranty. The properties and characteristics stated on this sheet are indicative. We reserve the right to alter and change the product according to technical progress and new developments.

**BUILDMASTERUK LIMITED**

Company Number: 13922165 Vat No: 412859588 [sales@buildmasteruk.com](mailto:sales@buildmasteruk.com)

Unit 2, The Old Colliery Yard, Main Road, Morton, Alfreton, Derbyshire DE55 6HL