

# ARBOMERIC MP20

One Part High Modulus Modified Polymer



***FIBREGRID***  
Safety Solutions



## ARBOMERIC MP20

Arbomeric MP20 is a one part high modulus modified polymer sealant which cures on exposure to moisture vapour to form a tough but elastic rubber.



## MAIN APPLICATIONS

Arbomeric MP 20 is recommended for use in many forms of construction including structural joints in heavy cladding, structural movement joints in floors and floor joints in heavily trafficked areas. Prisons and secure units (supervised areas) forming anti-pick/anti-vandalism joints, or any area that could be subject to abuse and vandal attack.

NB Not recommended for joints in lightweight cladding and swimming pools. Is over-paintable once fully cured; pre-use tests are advised to demonstrate compatibility with individual paints.

## APPLICATION INSTRUCTIONS

### Joint Preparation

The joint surfaces must be clean, dry and free from all contamination. The surfaces should be degreased using the appropriate cleaner. Primers may be required on some substrates.

### Joint Backing

Where applicable, appropriate joint filler e.g. closed cell polyethylene foam, should be used to provide the correct joint depth. All joint preparation, priming, and sealant application should be carried out in accordance with BS 8000 Part 16, the British Standard for the sealing of joints in buildings using sealants.

## TECHNICAL DATA

Skin Time at 20°C/65% RH:	15 minutes
Application temperature:	+5°C to + 35°C
Service temperature:	-40°C to +120°C
Chemical resistance:	Resistant to most dilute acids and alkalis. Organic solvents may cause the sealant to swell and lose adhesion. Strong cleaning agents can cause surface deterioration and may affect the efficiency of the material.
UV resistance:	Very good
Service life:	20 years + (when used in trafficked areas the life may be reduced)
Butt joints (movement in tension and compression):	35%
Lap joints (movement in shear):	70%
Colours:	White, Grey, Black
Modulus @ 100 % Extension:	1.12 N/mm <sup>2</sup>
Ultimate Elongation:	220%
Tensile Strength @ Break:	1.85 N/mm <sup>2</sup>
Typical Shore Hardness	50

## JOINT SIZE SUITABILITY

### Joint Width

Minimum 6mm

Maximum 25mm (single application); 35mm (multiple applications)

### Joint Depth

Minimum 10mm on porous substrates (12mm in floor joints)

Minimum 6mm on non-porous substrates (12mm in floor joints)

Maximum 20mm

### Depth ratio (within above min/max restrictions)

2:1 butt joints

1:1 lap joints/floor joints



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### Storage life

12 Months in original unopened packaging stored in a cool, dry place out of direct sunlight.

### Health and safety

No particular health hazards are associated with this product.

## ACCESSORIES

### Ancillary Equipment

Polyethylene Nozzles  
Caulking Guns

## SPECIFICATION COMPLIANCE



BS EN ISO 11600 – F – 20 HM

## QUANTITY ESTIMATOR

JOINT SIZE (MM)	METRES/ LITRE
6 x 6	27.8
9 x 6	18.5
12 x 9	9.3
18 x 10	5.6
25 x 10	4.0



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