ARBOBOND PRO®

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 MP20 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. Products 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 ARBO® Cleaner. ARBO®® Primer 2650 is recommended on porous materials such as concrete and stone. It is recommended that ARBO Technical Services be consulted regarding the use of ARBO® primer for specific purposes.

Joint Backing

Where applicable, use appropriately sized closed cell, cross-linked Polyethylene foam. All joint preparation, priming, and sealant application should be carried out in accordance with BS 8000-16:1997+A1 2010 the British Standard for the sealing of joints in buildings using sealants.



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Application

Arbomeric MP20 is supplied in polyethylene 380 ml cartridges and 600 ml foils.

Joint Size Suitability

Joint width
Minimum 6 mm
Maximum 25 mm

Joint depth
Minimum 10 mm on porous substrates.
(12 mm in floor joints)
Minimum 6 mm on non-porous substrates. (12 mm in floor joints)
Maximum 20 mm.

Width: Depth ratio (within above min/max restrictions).
2:1 butt joints
1:1 lap joints/floor joints

Health and Safety

Please consult the Safety Data Sheet for full information.

Storage Life

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

Packaging

25 x 380 ml Polyethylene Cartridges per box. Polyethylene Nozzles are included in each box.

Accessories

Primers
ARBO® Primer 2650 (500 ml tin) Yield approximately 125 metres per tin.

Cleaners
ARBO® Cleaner No.17–1 Litre Tin (Xylene based – not suitable for use with plastics or delicate finishes).
ARBO® Cleaner No. 16–1 Litre Tin (Alcohol Based).

Ancillary Equipment
Polyethylene Nozzles
ARBO® Caulking Guns

Technical Data	
Skin Time at 20 °C/65 % RH:	20–30 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
Movement Accommodation:	Butt joints (movement in tension and compression): 35 %. Lap joints (movement in shear): 70 %.
Colours	White, Grey, Black
Modulus @ 100 % Extension:	1.0–1.12 N/mm²
Ultimate Elongation:	220 %
Tensile Strength @ Break:	1.3–1.6 N/mm²
Typical Shore A Hardness	Approximately 50

Specification Compliance
BS EN ISO 11600 – F – 20 HM

Important: The information in this leaflet is given in good faith and based on results gained from experience and tests. However, all recommendations or suggestions are made without guarantee since the conditions of use are beyond our control. It is the user and specifier's responsibility to ensure ARBO® product is suitable for the intended use: consult ARBO® Technical Services for specific advice. Goods are supplied subject to the Company's terms and conditions of sales, a copy of which is available on request.

UK CA

CARLISLE® Construction Materials Ltd.

Unit 1 | Park Lane Business Park
Park Lane | Kirkby-in-Ashfield
UK –Nottingham | NG17 9GU

T +44 (0)1623 62 72 85
E info.arbo@ccm-europe.com

www.ccm-europe.com

CARLISLE CM EUROPE

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