



## BAUMASTIC AP

### Single Component Acrylic Co Polymer Mastic

#### DESCRIPTION

BAUMASTIC AP is single component acrylic co-polymer mastic, which is designed for pointing applications. The mastic on curing forms a pliable flexible seal which can accommodate moisture and thermal movements with minimal shrinkage.

BAUMASTIC AP can be used in both horizontal and vertical applications and has a movement Accommodation Factor (mAF) of  $\pm 10\%$ .

#### TYPICAL USES

- Filling of cracks on concrete walls, ceilings, brickworks and masonry
- Filling of gaps between plasterboard panels, architraves, skirting boards
- General purpose caulking
- Perimeter sealing around window and door frames

#### ADVANTAGES

- Good compatibility with paints and emulsions. Can be over painted
- Excellent resistance to weathering
- Good resistance to water and water vapour
- Excellent adhesion to most building substrates. Can be used without the use of primer in new substrates
- Fast drying
- Odorless

- Resists mildew and mould growth
- Easy to apply, one component sealant. No mixing required.

#### PACKAGING

BAUMASTIC AP is available in 25 Kg Pails.

***BAUMASTIC AP complies with the requirements of: BS 5212: Part 1 ASTM C 920, Type S, Grade NS, Class 12½, USe NT***

#### TECHNICAL PROPERTIES

Color	White/Grey
Density ( g/cc )	1.51 $\pm$ 0.05
Consistency	Thixotropic Paste
Shrinkage( % )	< 15
Skinning Time @ standard condition	60 minutes
Full Cure @ standard condition	7 days
Application temperature( ° C )	5 to 45
Service Temperature	5 to 70 ° C

The properties shown above were obtained under laboratory conditions and may vary in practice.

**COVERAGE:** Depends on substrate and method of application.

## **APPLICATION INSTRUCTIONS**

### **JOINT PREPARATION**

All cracks and joint edges must be clean, dry and free from oil, loose particles, cement laitance and other contaminants which may affect the adhesion. A thorough wire brushing, grinding, sand blasting or solvent cleaning may be required to expose a clean and sound substrate. When applied on glazed surfaces like ceramic or terrazzo tiles or porcelain enamel joint surfaces, the glaze should be removed by abrading with sandpaper or wire brush.

### **PRIMING**

Usually priming is not required, however on highly absorbent surfaces, dilute BAUMASTIC AP with water (1:3 by vol.) and prime the joints with it. The primer shall be applied by a brush in a thin coat application and shall be allowed to become tack free prior to the application of the sealant. For obtaining a clean and neat finish, masking tape shall be applied on both the edges of the joint before the application of the primer or the mastic.

### **BACK-UP MATERIAL**

A bond breaking backing rod shall be inserted into all movement joints to avoid a three sided adhesion. The diameter of the backing rod shall be at least 20% larger but not greater than 33% of the joint width. This will ensure that the backer rod remains in compression and in place during sealant installation. For static and joints depths which does not allow the installation of a backing rod, a bond breaking tape may be applied to prevent the three side adhesion.

## **APPLICATION**

BAUMASTIC AP is available in a ready to use pail which can applied with a spatula or a putty knife. On vertical areas, the mastic application shall start from the bottom of the crack/joint and continued to the top. Once the mastic has been installed, tool it to obtain a smooth profile.

### **DO NOT USE SOAPY WATER SOLUTION.**

Any masking tape applied should be removed immediately after the sealant is installed.

### **OVERCOATING**

Dispersion based paints can be applied after 24 hours of application of the mastic. Solvents based paints can be painted after 7 days of application of the mastic.

### **CLEANING**

Remove all excess mastic with a scrapper. Any spillage can be cleaned using a damp cloth. Clean all tools and equipments by clean potable water immediately after the tooling. Hardened materials can be removed mechanically only.

### **LIMITATIONS**

Baumastic AP is not recommended for:

- Joints having a high degree of movement.
- Damp and contaminated surfaces
- Heavily trafficked floor joints

### **JOINT DESIGNS**

The joint width to depth ratio should be maintained at 1:1 with the following restrictions:

- **Joint Width** 4 6 mm (min) 20 mm (max)
- **Joint Depth** 4 6 mm (min ) 4 10 mm (max)

## STORAGE

Store all material in a cool, covered dry place. Do not expose the pails to direct sunlight and keep away from all sources of heat. In tropical climatic conditions, the product has to be stored in an air conditioned environment and protected from high humidity.

**The shelf life** of the product is 12 months in unopened condition if stored as per the recommendations. Exposure to high temperature and humidity will result in considerable deterioration of the product and reduce its shelf life.

## HEALTH & SAFETY

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn.

Treat any splashes to skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

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Note: Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, as the conditions of any labor involved in the application is beyond our control. BAUTECH shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of this product. It is the responsibility of the user to ensure that the product meets his particular requirements and to use it in a suitable way. Field service, where provided, does not constitute supervisory responsibility. For additional Information contact your local BAUTECH representative.



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