

**DESCRIPTION**

Water borne , acrylic base enamel having a high performance because of its very high quality acrylic resin water base , which is ideal for hygiene conscious environments , and areas subjects to frequent cleaning and to relatively severe weathering .

**PRINCIPLE CHARACTERISTICS**

- Can be exposed to extreme mechanical loads ,highly scrub-resistant .
- Particularly suitable when solvents are not permitted , because of health and safety reasons.
- Easy application by brush with excellent flow .
- Photo catalytic effect (test report) : it converts noxious gases and odours into uncritical substances like carbon dioxide and water vapor .
- Anti - bacterial action .
- Resistant to disinfectants .
- Suitable for allergy sufferers ( according to a test certification) .
- No solvents added .
- Easy to touch – up .
- High opacity , hiding power , durability , gloss retention and weathering resistance .
- Resistant to fungal and mould , due to mineral alkaline nature (test certification).
- Cleanable with soapy water .
- Ideal for indoor and outdoor applicaton .
- Applicable over any synthetic or water base undercoat , and over the water base textured coatings .
- Suitable for interior walls and ceilings in heavily used such as public buildings , hospitals , schools , offices , restaurants and food areas.

**MATERIAL CHARACTERISTICS AT 25°C****Org. content**

&lt;5%

**Mass density**1.2 g /cm<sup>3</sup> (white)**Recommended dry film**

40 microns per coat

**Theoretical spreading rate**10-12 m<sup>2</sup>/L for white**Touch dry after**

1 hr. depending on temperature, humidity

**Overcoating interval**

12 hours at 25 °C

**Flash point**

Above 65 °C

**Viscosity**

12 poises

**Solid content**

21%-22%

**VOC Content**

0.05% - 0.7 %

**Storage temperature**

10°C-35°C

**Shelf life**

24 months

**Colors and Gloss**

Colors are available upon BMA catalogue (other colors upon request) - glossy

**Full cure**

At least 24 hours

### \*On a new surface :

- Rub the cement all over the wall with a special rubbing stone , so it will become almost soft and smooth .
- Clean-up the dust using a soft broom or an air-pressure .
- Apply one coat of water base BMA sealer ( white “SEW151” under the light colors of enamel , clear “SEW150” under the dark colors of enamel ), using a brush or a roller , after diluting it with 25 – 50 % of water for the white sealer , or with 30 – 60 % of water for the sealer clear .

You can also use an air – spray gun for this application while diluting with 35 – 75 % of water for the sealer white , or with 35 – 85 % of water for the sealer clear .

- For the best results , especially while painting saloons and halls , it’s advisable to apply at least three layers of BMA water base putty , using a special spatula , and to wait at least 12 hours between each coat of putty and the following one , so it could totally dry . The putty is used as followed :

- if the wall is in a bad status , you should apply at least 2 layers of BMA extra fill putty (coarse putty) “PUW010”, then one layer of BMA ultra fine putty “PUW020” .
- if the wall is in a good status relatively , you should apply at least 1 layer of BMA extra fill putty (coarse putty) “PUW010” , then two layers of BMA ultra fine putty “PUW020” .

- You should wait at least 12 hours too so the last layer of putty could totally dry before rubbing it with a rubbing paper 150 – 180 grit .
- Get rid of the obtained dust with the soft broom or the air-pressure , then apply one or two coats of water base sealer (SEW...) or undercoat [water base (UNW) or synthetic (UNS)] and let dry for at least 12 hours .
- Apply one coat of BMA enamel water base “PAW...” , called “checking layer” , because it helps to cover the surfaces those weren’t well covered by the putty , and which you could discover by “checking” the wall using a direct light .
- By the next day , rub the “checking layer“ with 180 – 220 grit rubbing paper and well clean the dust with a soft broom or an air-pressure .
- Finalize your project by applying two coats of BMA enamel water base “PAW...” , using a brush or a roller , after diluting it with 15 – 20 % of water , or using an air – spray gun after diluting with 20 – 25 % of water .
- **P.S.** : it’s advisable to softly rub the wall with a 220 grit sanding paper before applying the last coat of BMA enamel water base .

### \*On an old pre-painted surface :

- Rub down the sound glossy surfaces with a fine waterproof abrasive paper , then rinse thoroughly before applying a pre-coat primer sealer or undercoat .
- Apply at least 2 coats of water base putty : one (or more) layer of extra fill putty PUW010 and one (or more) layer of ultra fine putty PUW020 , let them dry for at least 12 hours then rub them with a 150 – 180 grit rubbing paper .
- Follow the exact same next steps as on a new surface application .
- **P.S.** : if the pre – painted surface is in a good condition , and you want only to change its color or to clean it up with one or two coat(s) of paint , you can apply the enamel water base directly on any water base paint , or synthetic undercoat .

## DIRECTION FOR USE

### Instrucions

- Atmospheric and substance temperature must not fall below +5°C .
- All the surfaces must be clean ,dry and free from grease ; remove any flaking paint .
- Avoid the inhalation of dust .

### Dilution and cleaning - up

#### BRUSH/ROLLER

Recommended solvent : Tap water

Percentage of solvent : 10 -15%

#### AIR SPRAY

Recommended solvent : Tap water

Percentage of solvent : 20 -25% depending on the required application viscosity.

#### CLEANING - UP

Clean hands and tools immediately with warm, soapy water.

Clean spills right away with a damp cloth.

## SAFETY AND HEALTH

In case of eye contact treat any foreign body by flushing with large amounts of water .

For skin contact repeated exposure may cause skin dryness or cracking ;also it may cause allergic reaction. For safety when applying it is advisable to wear hand gloves. Keep out of the reach of children , do not use or store by hanging on a hook.Lead to toxic exposure that cause serious damage for brain especially for children and pregnant women.

## SHIPPING

### Packing

US gallon - 19L

### Storage Conditions

Approximatively 12 months in sealed container under cool frost - free conditions . Protect from heat and direct sunlight.

### Limitations

This is a water base paint although care should be taken.

TDS-BMA-B4-e-13

