



BMA Commercial & Industrial s.a.r.l.

Industrial valley – Nahr El Mot – Lebanon

TEL : +961 1 885385/ 485 – FAX : +961 1 885685 – P.O. BOX : 55091

E-mails : info@bmapaints.com / customerservice@bmapaints.com

Website : www.bmapaints.com

1- **ITEM IDENTITY :**

- NAME : SBR CEMENT , CONCRETE AND MORTAR ADDITIVE
- CODE : SBR000
- DESCRIPTION : BMA SBR is a one component , water based additive , based on a modified styrene acrylic resin ; it's especially formulated to be mixed with wet concrete , cement or mortar , in order to facilitate their workability , increase their strenght when cured as well as protect them from shrinkage and cracking .

2- **ITEM USE FIELDS :**

- It could be used as a bonding slurry mixed to the cement .
- It could be also used as an additive mixed to water directly before mixing them with the cement and sand .
- It could be used on interor and exterior substrates in new buildings and maintenance .

3- **ITEM GENERAL CHARACTERISTICS :**

- Facilitate the mortar workability , by reducing water .
- Improve the water resistance of the strenght of the cement .
- Increase the durability of the treated and cured concrete and cement .
- Reinforce the cementitious admixtures .
- Improve the flow and the pumping process of the concrete and the cement .
- Decrease the cracking and shraking of the cured concrete and cement .
- Improve the cementitious admixture onto their substrates .

4- **ITEM STANDARDS @ 25°C :**

Specific gravity	1.011 ± 0.005 g/cm ³
Viscosity	10 poises
Solid content	15 ± 2 % by volume
V.O.C. content	0.32 ± 0.03 g/L
P.V.C.	0%
PH	≥ 9.5
Best diluent	water
Mixing ratio	5% by weight of the dry cement
Flash point	Not regulated
Color	White liquid becoming clear when dry
Shelf life	2 years minimum in a closed pack

5- **APPLICATION :**

➤ *1st method :*

BMA SBR could be used in an aqueous solution by adding it to clean water in a ratio of 1:5. This solution is used to water the freshly poured concrete while the surface is still tacky.

➤ *2nd method :*

BMA SBR could also be directly added with the mixing water, to the mortar in a ratio of 5% of the cement weight. This admixture of mortar and SBR could also be used to repair the concrete and fill its shrinkages by wetting the cracks with the aqueous solution of SBR then by directly filling them with the prepared admixture.

6- **LIMITATIONS :**

It's not recommended to use this product in the following cases :

- When BMA-SBR is expired .
- When the temperature is below 5°C or above 40°C .
- When the substrate temperature is not at least 3°C above the dew point .
- When rain is forecasted within 36 hours after application on an outdoor substrate .
- When the substrate is wet .

7- **AVAILABLE PACKAGES :**

- US gallon .
- US pail .

8- **STORAGE :**

Store this product in well closed containers , kept in a ventilated area , away from direct sunlight , heat sources , flames , freezing conditions , in a moderate temperature between 5 to 35 °C .

9- **HEALTH AND SAFETY :**

- Keep out of the reach of children .
- Don't hang the product container while storing .
- Do never touch any paint or additive with bare hands .
- In case of eye contact flush with large amounts of water without rubbing eyes , if the malaise persists , directly contact a physician .
- In case of skin contact , wash the defected area with warm soapy water ; if any allergic reaction appears consult a physician .
- Get rid of the unused remaining quantities and the empty cans according to your country regulations .

TDS-BMA-H/02 - 16

