



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

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1- **ITEM IDENTITY :**

- NAME : INSTITUTIONAL PRIMER SEALER VOC/ODOR FREE
- CODE : BMA-IPS060
- DESCRIPTION : water based high performance sealer white VOC/odor free, used as an indoor and an outdoor primer under high performance paints.

2- **ITEM USE FIELDS :**

BMA-IPS060 is used as an indoor primer for the institutional emulsion VOC/odor free in schools, hospitals, kinder gardens, laboratories, food and beverages stocks or markets,...

It's also an ideal outdoor primer for any high performance paint such as the pure acrylic coating or the elastomeric wall coating, increasing their anti-carbonation strenght against driven air.

It could be applied over faïrefaced concrete, plastered substrates, brick, gypsum boards, wood,...

3- **ITEM GENERAL CHARACTERISTICS :**

- Great high performance pure acrylic primer complying with several universal standards: MPI GPS-1 & GPS-2, GREEN SEAL GS-11-1/1/10, LEED v.3 (2009), SCAQMD 1113 - 7/1/2008,...
- Suitable for indoor and outdoor application.
- Remarkable adhesion to a huge variety of substrates and to any water borne or alkyde borne paint..
- UV resistant and waterproof.
- Highly ecological friendly especially that it has a zero VOC.
- Great improvement for air quality, by reducing emissions rate in it.
- Includes antibiocides reducing the development of mildew, mold, bacteria,...
- High weatability and penetration properties due to the extreme small particle size of the binders.
- Great tie coat between the substrate and the finish coat.
- Environmental friendly.

- Able to be tinted but tinting will increase the VOC value depending on the used pigments.
- Remarkable resistance to alkali and saponification.
- Great withstanding to aggressive climate, high heat and high cold even frozen weather.

#### 4- ITEM STANDARDS @ 25°C :

<b><i>Property</i></b>	<b><i>Standard</i></b>	<b><i>Result</i></b>
Specific gravity	ASTM D1475	1.43 ± 0.02 g/cm <sup>3</sup>
Viscosity	ASTM D562	100 KU ≈ 18 ± 2 Poises
Solid content (by volume)	ASTM D1259	40.13%
Solid content (by weight)	ASTM D2369	57.67%
V.O.C. content	ASTM D3960	0.00 g/L
P.H.	ASTM E70	≥ 8.5
Touch dry		25 minutes
Through dry		45 minutes
Recoating intervalle		5 – 6 hours
Fineness of grind	ASTM D1210	≤ 25 μm
Theoretical spreading rate		11.5 ± 0.2 m <sup>2</sup> /L (for 35 μm DFT)
Recommended wet film		105 μm/layer (@20% dilution)
Recommended dry film		35 μm/layer
Dry opacity @150 μm	ASTM D2805	>0.95
Best diluent		water
Dilution %		5% by brush, roller or air-spray / 0 - 2% by airless spraying
Flash point	ASTM D93	N.A.
Miscibility with water		miscible
Color		white
Gloss level @60°	ASTM D523	< 5
Shelf life		18 months in well closed containers

#### 5- APPLICATION :

##### ➤ Substrate preparation

- The substrate must be totally dry, clean and free from any contamination.
- If the wall is pre-painted, the old weak or peeling paint should be removed otherwise it will interfere with the primer adhesion; if the old paint is still in good shape it should not be removed.  
Fill holes and scratches with BMA-PUW010 extra fill putty, sand than uniform the surface with BMA-PUW020 ultra fine putty, sand till smoothness and well clean the obtained dust.
- To apply BMA-IPS over wood substrates moisture should not exceed 8 – 10% scratches and holes should be filled with a suitable putty and the surface must be sanded to smooth then the obtained dust should be removed.

➤ Coating preparation

Stir the institutional primer sealer VOC/odor free well in its can and dilute it with not more than 5% of clean water if needed.

➤ Indoor application:

- Dilute BMA-IPS with maximum 5% of clean water if needed and prime the surface using a brush, a roller or a spraying machine.
- Let dry for about 5 – 6 hours.
- Finish with 2 coats of any of BMA high performance paints especially BMA institutional emulsion VOC/odor free or even with any other water borne or alkyde borne paint but this will increase the VOC depending on the used painting system.

➤ Outdoor application:

- Dilute BMA institutional primer sealer VOC/Odor free with maximum 5% of clean water and prime the substrate.
- Let dry for 5 – 6 hours.
- Finish with 2 coats of any of BMA high performance outdoor paints especially BMA elastomeric wall coating or BMA pure acrylic enamel.

➤ Cleaning

Clean hands and tools immediately with warm soapy water.

6- **SUMMARY:**

<i>Indoor use for VOC/odor free requirements</i>		
1 <sup>st</sup> layer	Institutional primer sealer VOC/odor free	35µm
2 <sup>nd</sup> layer	Institutional emulsion VOC/odor free	35µm
3 <sup>rd</sup> layer	Institutional emulsion VOC/odor free	35µm

<i>General indoor use</i>		
1 <sup>st</sup> layer	Institutional primer sealer VOC/odor free	35µm
2 <sup>nd</sup> layer	Water based rubber emulsion	35µm
3 <sup>rd</sup> layer	Water based rubber emulsion	35µm

<i>General indoor use</i>		
1 <sup>st</sup> layer	Institutional primer sealer VOC/odor free	35µm
2 <sup>nd</sup> layer	Alkyde based paint	25µm
3 <sup>rd</sup> layer	Alkyde based paint	25µm

<i>Outdoor use</i>		
1 <sup>st</sup> layer	Institutional primer sealer VOC/odor free	35µm
2 <sup>nd</sup> layer	Self priming pure acrylic	35µm
3 <sup>rd</sup> layer	Self priming pure acrylic	35µm

7- **LIMITATIONS :**

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

- If the product is expired.
- If the pack is not well sealed.
- If the substrate is pre-painted and the old paint is weak or if it's peeling.

8- **AVAILABLE PACKAGES :**

- US gal.
- 17L pail.

9- **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 .

10- **HEALTH AND SAFETY :**

- Keep out of the reach of children .
- Apply in a well ventilated area away from children , pregnant women and persons with respiratory problems .
- Don't hang the product container while storing .
- Do never touch any paint with bare hands .
- It's recommended to wear face mask and hand gloves while applying , especially in case of repetitive exposures .
- 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 .