



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

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1- **ITEM IDENTITY :**

- NAME : EXTRA FILL PUTTY
- CODE : BMA-PUW010
- DESCRIPTION : water borne, ready to use acrylic coarse putty, which fills the holes, scratches and the cementitious substrate unevenness, giving it an even surface.

2- **ITEM USE FIELDS :**

BMA-PUW010 could be used on indoor and outdoor walls and ceilings, in new constructions or repairing projects, over plastered surfaces, concrete, cement, gypsum boards,...

3- **ITEM GENERAL CHARACTERISTICS :**

- Particularly suitable when solvents are not permitted because of health and safety reasons.
- Suitable for allergy sufferers.
- Suitable for indoor and outdoor application.
- Easy workability and application.
- High resistance to cracking.
- Easy to be rubbed down.
- Ready to use.
- Great filling properties.
- Durable build film.
- Gives the wall an extreme uniform finish.
- Remarkable adhesion to a huge variety of substrates.
- Great physical barrier to salt migration.
- High scrub resistance so it could withstand extreme mechanical loads.
- Easily coatable with any water based or alkyde based paint.
- Reduce the paint consumption and increase its hiding power.

- Improve the richness of the wall and protect its gloss level.
- Environmental friendly.
- Able to be tinted.

4- ITEM STANDARDS @ 25°C :

<u>Property</u>	<u>Standard</u>	<u>Result</u>
Specific gravity	ASTM D1475	1.85 ± 0.05 g/cm ³
Viscosity	ASTM D562	160 ± 5 Poises
Solid content (by volume)	ASTM D1259	54 ± 1%
Solid content (by weight)	ASTM D2369	75 ± 1%
V.O.C. content	ASTM D3960	6.54 g/L
P.V.C.		93%
P.H.	ASTM E70	≥ 8.5
Touch dry		30 minutes
Through dry		60 minutes
Recoating intervalle		6 – 8 hours
Fineness of grind	ASTM D1210	≤ 250 μm
Theoretical spreading rate		2.7 m ² /L (for 200μm DFT)
Recommended wet film		371 μm/layer (@0% dilution)
Recommended dry film		200 μm/layer
Dry opacity @150 μm	ASTM D2805	N.A.
Best diluent		Water if needed
Dilution %		0 - 1% by spatula
Flash point	ASTM D93	N.A.
Miscibility with water		miscible
Color		white
Gloss level @60°	ASTM D523	N.A.
Shelf life		12 months in well closed containers

5- APPLICATION :

➤ Substrate preparation

- The substrate must be totally dry, clean and free from any contamination, chalk, mildew,...
- If the wall is repainted, 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.
- If the wall is new the concrete should be totally cured; using a special rubbing stone rub the cement all over the wall so it will become almost soft and smooth.

➤ Coating preparation

BMA-PUW010 is a ready to use filler; if necessary it could be mixed with not more than 1% of clean water.

➤ Indoor application:

- Dilute BMA-SEW... sealer with 70 – 75% (for white sealer) or with 80 – 85% (for clear sealer) of clean water and seal the cement well then let dry for at least 6 – 8 hours.

- Fill holes and scratches with BMA-PUW010 using a trowel or a spatula, let dry for 6 – 8 hours than rubb the putty down till uniformity.
- Clean the obtained dust than apply a second coat of BMA extra fill putty if needed, let dry for 6 – 8 hours, rub down till uniformity then clean the obtained dust.
- With a trowel or a spatula apply one layer of BMA-PUW020 ultra fine putty, let dry for 6 – 8 hours then sand it well and remove the obtained dust.
- If necessary apply a second layer of smooth filler (ultra fine putty), let dry, sand and remove the obtained dust.
- Dilute BMA sealer white with 50 – 55% of clean water and apply the first coat of primer, let dry for 6 – 8 hours then apply the second layer after diluting with not more than 35%; you can apply two coats of BMA-UNS undercoat instead of those two layers of sealer.
- Finish with two or three layers of water based paint.

➤ Outdoor application – acrylic emulsion finish:

- Dilute BMA-SEW151 with 70 – 75% of clean water and seal the cement well then let dry for at least 6 – 8 hours.
- Fill holes and scratches with BMA-PUW010 using a trowel or a spatula, let dry for 6 – 8 hours than rubb the putty down till uniformity.
- Clean the obtained dust than apply a second coat of BMA extra fill putty if needed, let dry for 6 – 8 hours, rub down till uniformity then clean the obtained dust.
- With a trowel or a spatula apply one layer of BMA-PUW020 ultra fine putty, let dry for 6 – 8 hours then sand it well and remove the obtained dust.
- If necessary apply a second layer of smooth filler (ultra fine putty), let dry, sand and remove the obtained dust.
- Apply 1 or 2 coats of BMA-UNS... undercoat solvent based and let dry overnight.
- Finish with two or three layers of water based acrylic emulsion finish or BMA textured water based coating.

➤ Cleaning

Clean hands and tools immediately with warm soapy water.

6- **SUMMARY:**

<i>Undercoating & intercoating – indoor use</i>		
1 st layer	Sealer white BMA-SEW151	20µm
2 nd layer	Extra fill putty BMA-PUW010 (1 or 2 layers)	200 µm
3 rd layer	Ultra fine putty BMA-PUW020 (1 or 2 layers)	200 µm
4 th layer	Sealer white BMA-SEW151	35µm
5 th layer	Sealer white BMA-SEW151	35µm
6 th layer	Water based emulsion	35µm
7 th layer	Water based emulsion	35µm
<i>Undercoating- indoor use</i>		
1 st layer	Sealer white BMA-SEW151	20µm
2 nd layer	Extra fill putty BMA-PUW010 (1 or 2 layers)	200 µm
3 rd layer	Ultra fine putty BMA-PUW020 (1 or 2 layers)	200 µm
4 th layer	Undercoat solvent based BMA-UNS060	25µm

5 th layer	Undercoat solvent based BMA-UNS060	25µm
6 th layer	Water based emulsion	35µm
7 th layer	Water based emulsion	35µm

<i>Smooth finish - outdoor use</i>		
1 st layer	Sealer white BMA-SEW151	20µm
2 nd layer	Extra fill putty BMA-PUW010 (1 or 2 layers)	200 µm
3 rd layer	Ultra fine putty BMA-PUW020 (1 or 2 layers)	200 µm
4 th layer	Undercoat solvent based BMA-UNS060	25µm
5 th layer	Undercoat solvent based BMA-UNS060	25µm
6 th layer	Water based acrylic emulsion	35µm
7 th layer	Water based acrylic emulsion	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 .

TDS-BMA- B /08- 17

