



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

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1- **ITEM IDENTITY :**

- NAME : ULTRA FINE PUTTY
- CODE : BMA-PUW020
- DESCRIPTION : water borne, ready to use acrylic fine putty, which adjust light unevenness in walls and ceilings and gives an even and smooth finish.

2- **ITEM USE FIELDS :**

BMA-PUW020 could be used on indoor and outdoor walls and ceilings, in new constructions or repairing projects, directly over plastered surfaces, concrete, cement, gypsum boards,... or over BMA extra fill putty.

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 and smooth 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-PUW020 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 .

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