

BMA ROOF PUTTY

Code: 1BM-PUW1999

Color: white

PROPERTIES

A water based acrylic putty formulated with a high quality to repair cracks, holes and irregularities in walls and ceilings. It is able to fill small edges and to act as a barrier against flaking. With its excellent weathering resistance, BMA-PUW is suitable for indoor and outdoor application in order to give a smooth finish.

RECOMMENDED USES

BMA Roof Putty could be used for:

- ✓ Concrete
- ✓ Gypsum wallboards
- ✓ Plaster

PERFORMANCE BENEFITS

- ✓ Good adhesion
- ✓ Easy application and workability
- ✓ Ideal as primer under the textured water base paints
- ✓ Excellent weathering resistance
- ✓ High durability & High build film
- ✓ Excellent filling properties
- ✓ Flaking prevention

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Tests	Norms	Results
Total solids, by weight	ASTM D2369	79 %
Total solids, by volume	ISO 3233	58.5 %

Viscosity, @25°C	ASTM D562	130 Poises
Specific gravity (g/cm ³)	ASTM D1475	1.78± 0.01
Total Volatile Organic Compound (V.O.C)	ASTM D3960	45 g/L
Spreading rate @ 750µm DFT ⁽¹⁾	-	0.8 m ² / L (Depends on the condition of the surface).

¹⁾DFT: Dry Film Thickness

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA Roof Putty, all necessary pretreatment must be done. Surface should be clean, dry and free of all contaminants (oils, agents, dust, dirt, etc....) in order to avoid the risk of surface failing.

Concrete substrate must be well prepared in order to avoid any coating defects.

For new concrete surface, ensure that concrete is completely cured at least 30 days.

For both fresh and old concrete, decontamination is required to remove any dust, oil, grease, laitance, fatty acids or any additional contaminants. If needed, an ammonia solution could be used for a well cleaning.

Application

BMA Roof Putty should be applied on a well cleaned, dried and free from contaminations surface in a well-ventilated area. The temperature should be between 5 and 35°C and the humidity not more than 85%.

In order to benefit from the performance of BMA Roof Putty, follow one of the below recommended systems:

✓ Indoor application:

- Seal the cleaned surface with BMA Sealer White BMA-SEW151 diluted with 70 to 75% of water or with BMA Sealer Clear BMA-SEW150 diluted with 80 to 85% of water. Let it dry for 6 to 8 hours.
- Fill the holes with a layer of BMA Roof Putty BMA-PUW050 using a trowel or a spatula. Let it dry for 6 to 8 hours.
- Clean the surface and use a 150 – 180 grit rubbing paper to rub the putty until uniformity.

- Apply a second layer of BMA Roof Putty BMA-PUW050. Let it dry for 6 to 8 hours then rub the surface again and clean it to remove any dust residues.
- Apply 1 to two layer of BMA Ultra Fine Putty BMA-PUW020. A drying period of 6 to 8 hours, a well sanding and a sufficient dust removal are required between coats application.
- Apply two layers of BMA Sealer White BMA-SEW151, where the first layer is diluted 50 to 55% and the second layer not more than 35% with water. A drying time of 6 to 8 hours is required between layers application.
- Finalize your system with two to three layers of BMA Water Based Paint.

Indoor use – Undercoating and intercoating		
1 st layer	Sealer White BMA-SEW151 or Clear BMA-SEW150	20 µm
2 nd layer	Roof Putty BMA-PUW050 (1-2 layers)	200 µm
3 rd layer	Ultra-Fine Putty BMA-PUW020 (1-2 layers)	200 µm
4 th layer	Sealer White BMA-SEW151	35 µm
5 th layer	Sealer White BMA-SEW151	35 µm
6 th layer	Water Based Emulsion	35 µm
7 th layer	Water Based Emulsion	35 µm

✓ Outdoor application:

- Seal the cleaned surface with BMA Sealer White BMA-SEW151 diluted with 70 to 75% of water or with BMA Sealer Clear BMA-SEW150 diluted with 80 to 85% of water. Let it dry for 6 to 8 hours.
- Fill the holes with a layer of BMA Roof Putty BMA-PUW050 using a trowel or a spatula. Let it dry for 6 to 8 hours.
- Clean the surface and use a 150 – 180 grit rubbing paper to rub the putty until uniformity.
- Apply a second layer of BMA Roof Putty BMA-PUW050. Let it dry for 6 to 8 hours then rub the surface again and clean it to remove any dust residues.
- Apply 1 to two layer of BMA Ultra Fine Putty BMA-PUW020. A drying period of 6 to 8 hours, a well sanding and a sufficient dust removal are required between coats application.
- Apply one to two coats of BMA Solvent Based Undercoat BMA-UNS060 and let it dry for 12 hours.

- Finalize your system with two to three layers of BMA Water Based Acrylic Emulsion Finish or any type of BMA Textured Water Based Coating.

Outdoor use – Smooth finish		
1 st layer	Sealer White BMA-SEW151 or Clear BMA-SEW150	20 µm
2 nd layer	Roof Putty BMA-PUW050 (1-2 layers)	200 µm
3 rd layer	Ultra-Fine Putty BMA-PUW020 (1-2 layers)	200 µm
4 th layer	Solvent Based Undercoat BMA-UNS060	25 µm
5 th layer	Solvent Based Undercoat BMA-UNS060	25 µm
6 th layer	Water Based Emulsion	35 µm
7 th layer	Water Based Emulsion	35 µm

Drying Time

Surface (Touch) Dry: 30 minutes

Dry to over coat: 6 hours

Dry to sand: 6 hours

AVAILABLE PACKAGING

1 Gallon = 4L - 1 Pail = 17 L

SHELF LIFE

BMA Roof Putty should be stored in unopened and undamaged containers in a well-ventilated area where the temperature varies between 10°C and 35°C away from direct exposure to sunlight, to heat and to freezing conditions.

Under these conditions, the shelf life of BMA Roof Putty will be 1 year. After this period, the filler quality will be subjected to re-inspection.

HEALTH & SAFETY

Before using this product, please consult our Safety Data Sheet (SDS) for complete information on Hazards Identification, First-Aid and Fire-Fighting Measures, Accidental Release Measures, Handling and Storage, Exposure Control and Personal Protection, Stability and Reactivity, Toxicological Information, and Transport Information.

QUALITY ASSURANCE

BMA Commercial & Industrial s.a.l is a holder of the ISO 9001:2015 and ISO 45001:2018 certificates, which guarantees that all operations are conducted in compliance with International Standards.

TDS.116 - Edition #: 2

IMPORTANT: The statements, technical information and recommendations contained herein are believed to be accurate. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, BMA Commercial & Industrial s.a.l expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.