

BMA POLYURETHANE SEALER

Code:

Sealer PU	1BM-SPU
Hardener	1BM-HPU

Color: *Pale Yellow Clear*

PROPERTIES

BMA PU Sealer is a two-component solvent-based, high solid polyurethane sealer, formulated with excellent filling properties and high ability to withstand harmful environmental conditions and any destructive mechanical impact. Due to its excellent sanding and sealing properties, this product is suitable to be used over a wide range of wooden substrates and could endure dimensional variation of the wood due to moisture ingress.

RECOMMENDED USES

BMA PU Sealer is used for:

- ✓ Wood furniture
- ✓ Doors, frames and windows
- ✓ Bars and kitchens bench tops
- ✓ Bathroom's vanities
- ✓ Industrial floors

PERFORMANCE BENEFITS

- ✓ Sanding, covering and filling properties
- ✓ Resistance to weathering conditions
- ✓ Impact, abrasion and scratch resistance
- ✓ Fast drying ability
- ✓ Easy to use
- ✓ High durability
- ✓ High solid content

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Data corresponding to BMA PU Sealer (Part A), cross-linked with its hardener (Part B) (A+B):

Tests	Norms	Results
Total solids, by weight	ASTM D2369	44%
Total solids, by volume	ISO 3233	42%
Consistency, at 25°C (Part A)	ASTM D562	10 Poises
Specific Gravity (g/cm ³)	ASTM D1475	0.99
Total Volatile Organic Compound (VOC)	ASTM D3960	500 g/L
Recommended WFT ⁽¹⁾ at 20% Dilution	-	73 µm
Recommended WFT ⁽¹⁾ at 50% Dilution	-	91 µm
Spreading Rate at 25µm DFT ⁽²⁾	-	16.8 m ² /L
Hardener Code	-	BMA-HPU102
Hardener percentage	-	50%

¹⁾ WFT: Wet Film Thickness

²⁾ DFT: Dry Film Thickness

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA PU Sealer, 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.

For previously painted wooden surface, remove paint residues using a scraper in order to avoid the flaking of the new coating in case it is not compatible with the old one. Sand and smooth the surface then clean it well and remove the sanding dust. Let the surface dry before any primer or sealer application.

For new wood, sand the surface and all the edges lightly until smoothing. Apply an insulator (PU Milesi) for oily wooden substrate. Then, use NC Putty BMA-PUN to close

off, patch and fill all surface imperfections (cracks, holes, pores, etc....). Clean the substrate and let it dry then make sure that the moisture content does not exceed 10%. Sand until smoothing using a sanding paper with a 300-grit size. Clean it well before any coating application.

Mixing

Pour contents of BMA Polyurethane Sealer into a larger container, add its corresponding hardener BMA-HPU102, mix them thoroughly and wait 5 to 7 minutes before application. The hardener percentage to the base component is 50% by volume.

Thinning

Thinning is required, 10 to 20% (for brush or roller application) and 25 to 30% (for air spraying application) of BMA PU Thinner could be used in order to obtain the required viscosity.

Application

BMA PU Sealer should be applied on a clean and dry surface having a temperature not less than 10°C in a well-ventilated area where the humidity does not exceed 85%.

Since the coating is a clear system, apply BMA Wood Stain BMA-STS then 2 to 3 layers of BMA Sealer with a gap of 10 minutes between the coats. BMA Sealer PU could be applied using a brush, roller or a spraying system.

Sanding must be done after 1 hour and overcoating after 3 hours at 25°C.

Drying Time

Surface (Touch) Dry: 15 minutes

Through Dry: 45 minutes

Dry to over coat: 3 hours

Sanding: 1 hour

AVAILABLE PACKAGING

4L + 2L; 5L + 2.5L; 20L + 10L; 25L + 12.5L

SHELF LIFE

BMA PU Sealer should be stored in undamaged and unopened containers in a well-ventilated area where the temperature varies between 5 and 35°C.

The product must be kept away from direct exposure to sunlight or any heat or flame source.

Under these conditions, the shelf life of BMA PU Sealer will be 2 years and of its hardener it will be 1 year. After these periods, the products quality is subjected to re-inspection. Proper handling is essential to maintain good quality.

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.

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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.