

## POLYURETHANE SANDING SEALER

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*Code: BMA-SPU104*

*Color: Clear*

### PROPERTIES

A two component solvent based and 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, BMA SPU is suitable to be used over a wide range of wooden substrates and could withstand dimensional variation of the wood due to moisture ingress.

### RECOMMENDED USES

BMA PU Sanding Sealer is used for:

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

### PERFORMANCE BENEFITS

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

## CHARACTERISTIC PHYSICO-CHEMICAL DATA

Tests	Norms	Results
Total solids, by weight	ASTM D2369	51%
Consistency, at 25°C	ASTM D562	50 ± 10 P
Specific Gravity (g/cm <sup>3</sup> )	ASTM D1475	0.99
Total Volatile Organic Compound (VOC)	ASTM D3960	436.6 g/L
Recommended WFT <sup>(1)</sup> at 20% Dilution	-	63 µm
Recommended WFT <sup>(1)</sup> at 50% Dilution	-	78 µm
Spreading Rate at 25µm DFT <sup>(2)</sup>	-	19.2 m <sup>2</sup> /L
Hardener Code	-	HPU104
Base to hardener ratio, by volume	-	2:1

<sup>1)</sup> WFT: Wet Film Thickness

<sup>2)</sup> DFT: Dry Film Thickness

## APPLICATIONS GUIDE

### Surface Preparation

Before applying BMA PU Sanding 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 Lacquer into a larger container, add its corresponding hardener BMA-HPU104, mix them thoroughly and wait 5 to 7 minutes before application. The hardener percentage to the base component is 50% by volume.

## Thinning

If 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 Sanding 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-SPU104 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: 10 minutes

Through Dry: 30 minutes

Dry to over coat: 3 hours

## AVAILABLE PACKAGING

1 US Gallon = 3.786 L; 5 US Gallons Pail = 18.9 L

## SHELF LIFE

BMA PU Sanding Sealer should be stored in undamaged and unopened containers in a well-ventilated area where the temperature varies between 10 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 Sanding 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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