

BMA POLYURETHANE NON-YELLOWING LACQUER

| <i>Gloss level</i> | <i>Codes</i> | <i>Hardener</i> |
|--------------------|--------------|-----------------|
| Glossy | LPU210 | HPU940 |

Color: Clear

PROPERTIES

A two-component polyurethane non-yellowing clear topcoat with weathering resistance, designed to cover surfaces with various levels of chemical and mechanical exposure. With its good application properties, BMA-LPU must be applied over a dry and free of contaminants sealer polyurethane coating in order to protect the surface and provide the required gloss level.

RECOMMENDED USES

BMA LPU210 is formulated to cover wood surfaces for:

- ✓ Bars and kitchens bench tops
- ✓ Bathroom's vanities
- ✓ Wooden furniture
- ✓ Frames and Doors

PERFORMANCE BENEFITS

- ✓ Non-yellowing
- ✓ Resistance to destructive weathering conditions
- ✓ Resistance to water and chemical exposure
- ✓ Withstanding impact and scratch effects

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Data corresponding of **BMA Polyurethane Non-yellowing Glossy, Lacquer LPU210**, cross-linked with its Hardener **HPU940 (glossy)**.

| Tests | Norms | Results |
|--|-----------------|---|
| Consistency (PART A) | Ford 4 Cup | 8 Poises |
| Specific Gravity (g/cm ³) | ASTM D1475 | 0.99 |
| Gloss at 60° | ASTM D523 | 90 |
| Total solids, by weight (%) | ASTM D2369 | 53% |
| Spreading rate at 35 µm DFT ⁽¹⁾ | - | 14.2 m ² /L |
| Recommended WFT ⁽²⁾ at 10% dilution | - | 80 µm |
| Flexibility, Mandrel bend test | ASTM D522 | Passed No cracking or loss of adhesion |
| Accelerated Aging, 30 days at 50°C | ASTM D1849 | Passed No settling nor coagulation |
| Maximum Pot Life | DIN EN ISO 9514 | 1 hour |
| Hardener Code | - | HPU940 |
| Hardener Percentage, by volume | - | 20% |

¹⁾DFT: Dry Film Thickness

²⁾WFT: Wet Film Thickness

APPLICATION GUIDE

Surface Preparation

Before applying BMA PU NY Lacquer, 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. BMA-LPU must cover sealer polyurethane that must be as well dry with 0% of contaminations.

Wooden surfaces

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.

Priming

BMA polyurethane NY Sealer should be applied directly after preparing, cleaning and drying the surface. Primer should be allowed to become tack-free before being sanded.

Mixing

Pour contents of BMA Polyurethane NY Lacquer BMA-LPU into a larger container, add its corresponding BMA PU Hardener BMA-HPU940 or BMA-HPU960 and mix them thoroughly. The hardener percentage to the base component is 20% by volume.

Thinning

If thinning is required, dilute up to 30% using BMA Polyurethane Thinner in order to obtain the required viscosity.

Application

BMA Polyurethane Lacquer should be applied in a well-ventilated area where the humidity does not exceed 85% and the temperature not less than 10°C. The substrate temperature should be at least 5°C and it must be dry and free of any residues.

Since the coating is a clear system, apply Wood Stain BMA-STs then 2 to 3 layers of BMA Sealer. BMA LPU could be applied using a brush, roller, spraying system, or curtaining with the recommended thickness of 40 - 60 µm per layer.

Drying Time

Surface (Touch) Dry: 1 hour

Hard Dry: 24 hours

Full cure: 7 days

AVAILABLE PACKAGING

4L + 0.75L; 5L + 1L; 20L + 4L; 25L + 5L

SHELF LIFE

BMA PU NY Lacquer should be stored in closed and undamaged 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-LPU is 2 years and the shelf life of its hardener is 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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