TECHNICAL DATASHEET

BMA VARNISH SYNTHETIC

Codes:

Varnish Synthetic Glossy	BMA-VAY 100
Varnish Synthetic Demi-Matt	BMA-VAY 200
Varnish Synthetic Matt	BMA-VAY 300

Color: Clear

PROPERTIES

A clear alkyd-based topcoat, formulated to be used when high resistant surface is required. BMA Varnish is available with different gloss levels: matt, demi matt and glossy, in order to give the desired finishing and appearance to the coated surface. It is easy to apply, with a non-yellowing property and high resistance to weather variation. BMA-VAY could be used as a decorative varnish for exterior and interior wooden surfaces.

RECOMMENDED USES

BMA Varnish Synthetic could be used for:

- ✓ Wooden windows frames, doors and furniture
- ✓ Kitchens

PERFORMANCE BENEFITS

- ✓ Severe weather and abrasion resistance
- ✓ Non yellowing property
- ✓ Barrier against sunlight influence
- ✓ Good finishing appearance
- ✓ Easy to apply
- ✓ Withstanding frequent cleaning
- ✓ Tintable
- ✓ Good flexibility and high durability

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CHARACTERISTIC PHYSICO-CHEMICAL DATA

*Data corresponding the **BMA Varnish Synthetic Glossy** (BMA-VAY100)*

Tests	Norms	Results
Total solids, by weight	ASTM D2369	54%
Specific gravity (g/cm^3)	ASTM D1475	0.97
Viscosity, @ 25ºC	ASTM D562	20 Poises
Total Volatile Organic Compound (V.O.C)	ASTM D3960	44.5g/L
Theoretical Spreading Rate	-	14 m²/L

*Data corresponding the **BMA Varnish Synthetic Demi-Matt** (BMA-VAY200)*

Tests	Norms	Results
Total solids, by weight	ASTM D2369	52%
Specific gravity (g/cm^3)	ASTM D1475	0.97
Viscosity, @ 25ºC	ASTM D562	20 Poises
Total Volatile Organic Compound (V.O.C)	ASTM D3960	46.5g/L
Theoretical Spreading Rate	-	13 m²/L

*Data corresponding the **BMA Varnish Synthetic Matt** (BMA-VAY 300)*

Tests	Norms	Results
Total solids, by weight	ASTM D2369	52%
Specific gravity (g/cm^3)	ASTM D1475	0.99
Viscosity, @ 25ºC	ASTM D562	20 Poises

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Total Volatile Organic Compound (V.O.C)	ASTM D3960	46.5g/L
Theoretical Spreading Rate	-	12.8 m²/L

APPLICATIONS GUIDE

Surface Preparation

Before applying BMA Varnish Synthetic, 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.

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. Thinning of 10-15% is required for faster solvent evaporation. 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

Wooden surfaces:
Primer the substrate with two to three layers of BMA NC, PU or Synthetic Primer.

Thinning

If thinning is required, use 10 to 15% (for brush or roller application) and 20 to 25% (for air spraying application) of BMA White Spirit. Avoid using a thinner or benzene that could modify the gloss level of the topcoat.

Application

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BMA Varnish Synthetic should be applied in a well-ventilated area where the temperature varies between 5°C and 35°C. The application must be done on a clean and dry surface after well stirring the topcoat by applying several thin coats instead of one thick coat and by ensuring a well drying between layers application.
For wooden surfaces: after priming the surface, apply two to three coats of BMA Enamel Synthetic, followed by one to two coats of BMA Varnish Synthetic.

Drying Time

Surface (Touch) Dry: 3 hours
Dry to over coat: overnight
Through dry: 24 hours

AVAILABLE PACKAGING

Kilo = 1 kg; US Gallon = 3.785 L; Pail = 20 L

SHELF LIFE

BMA Varnish Synthetic should be stored in closed and undamaged containers in a well-ventilated area where the humidity does not exceed 85% and the temperature between 5°C and 35°C. The storage must be away from any direct exposure to sunlight and any freezing or heating source.
Under these conditions, the shelf life of BMA Varnish Synthetic will be 2 years. After this period, the topcoat 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

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