



OLI-AQUA MODU B 1K/2K Buntlack / Farbton 18.35 - one-/two-component colour lacquer -

Product description

OLI-AQUA MODU B 1c/2c colour lacquer is a modern and fast-drying water-based colour lacquer for the rational production of coloured furniture. Its appeal lies in its excellent opacity, abrasion resistance and lightfastness. Optionally, MODU B can be applied as a two-component material with hardener 13.5 (mixing ratio 10:1). By adding the hardener, you can further enhance the lacquer's chemical resistances, such as its resistance to cream, grease, PVC, as well as abrasion and scratches. Therefore, you can do without a clear top coat. However, if desired, or in case of highly demanding objects, all surfaces coloured with MODU b can be coated with MODU M 1c/2c Clear coat or MODU T 1c/2c Stair lacquer.

Properties

- good abrasion resistance
- eco-friendly and VOC compliant
- in compliance with the EU Decopaint Directive
- not combustible in liquid state
- PVC resistant (2c)*
- odourless
- high-build
- lightfast
- good chemical and mechanical resistance

Test standards

- DIN 4102/B1 Fire retardant (2c version) – applied for
- DIN EN 71-3 (heavy metals)
- DIN 53160 (saliva and sweat proof)
- DIN 68861 T1 C / B (1c/2c)
- DIN 68861 T4 (scratch resistance)
- Resistance to alternating condensation atmosphere for bathroom and kitchen furniture, according to the IHD standard (only hardened in system with Filler 15.88 and/or MODU M 18.30)
- hand cream resistant (2c)
- APEO-free
- free of formaldehyde

* Due to the large variety of sealing materials, we recommend a preliminary test before application.

Areas of application

Particularly suitable for the coloured surface coating of all common wood types and materials in furniture making and interior works. As a one-component system it is suitable for surfaces subject to normal wear. The two-component version is primarily used for coatings of furniture, e.g. in bathrooms or kitchens, subject to intensive wear.

Highly resinous and ingredient-rich woods, such as pine or tropical woods (Limba, Teak, Wengé) should be insulated with a coat of the two-component MODU M with hardener 13.5 (at a ratio of 10:1) before the coating. This applies to MDF edges and reliefs as well, in order to minimize wood swelling under conditions of high air humidity.

For an optimum insulating effect, MODU M is thinned with 5-10% water after adding the hardener.

The MODU B colour lacquer series can be used universally on wood with an insulating coat. Objects treated with OLI-AQUA Filler 15.88 have to be sanded thoroughly and freed from dust before applying OLI-AQUA MODU B colour lacquer. Wood materials with lining foils (based on melamine resin or urea resin) also have to be sanded well and freed from dust before being coated, in order to guarantee an optimum bonding.

Ordering information

OLI-AQUA MODU B 1K/2K Buntlack / Farbton 18.35				
- one-/two-component colour lacquer -				
Gloss level	silk matt			
Ordering code	RAL, NCS, Sikkens, custom-made colours possible			
Container sizes	30 / 5 ltrs			
OLI-AQUA MODU Hardener	13.5 (ratio 10:1)			
Ordering code	42097618			
Container sizes	3 / 0,5 ltrs			

Labelling

For labelling details and safety instructions, please refer to our safety datasheet at www.oli-lacke.de.

Technical data

Shelf-life in factory-sealed containers:	12 months
Thinner:	-
Curing agent:	13.5
Mixing ratio:	10 : 1
Air drying at +23°C/65% rh	
Dust-dry:	1 h
Sandable:	2-3 h (1c) 3-4 h (2c)
Stackable:	16 h



Application methods

	Cup spray gun	Airless/Airmix
Spray pressure (bar)	2 – 3,5	90 – 120
Nozzle size (mm)	1,8 – 2,0	0,25 – 0,28
Water addition (%) (1c)	3 – 5%	ready to use
Water addition (%) (2c)	max. 5%	max. 5%
Viscosity (4 mm cup)	40 – 60 sec	40 – 60 sec
Coverage per coat (g/sqm)	100 – 140	100 – 140

Annotations/Instructions for use

- Stir well before use! Seal the container well after use in order to prevent surface drying (skin formation).
- As a two-component material: stir in the Hardener 13.5 immediately. The addition of the hardener raises the viscosity level of the mixture. Add max. 5% tap water and stir in well. Application time is max. 4 hrs.
- Clean spray gun with water immediately after use. When changing from solvent-based systems to water-based lacquers, clean spraying equipment thoroughly with nitro-cellulose thinner and then rinse it well, first with spirit, then with water. When returning to solvent-based products, do the cleaning in reverse order.
- The surface must be absolutely dry and free of dirt, oil, grease and sanding dust.
- The product is frost-sensitive. Do not transport or store at temperatures below +5°C. Do not apply at temperatures below +15°C.
- A repairing can be done with MODU B both one- and two-component version, after a thorough sanding and dust removal.
- MDF edges or milled areas that have been sanded through and insulated with OLI-AQUA Filler 15.88, have to be retreated with filler before the application of the colour lacquer.
- After the application and drying of the MODU B colour lacquer (approx. 3-4 h), we recommend the application of a clear top coat, e.g. with MODU M, within 4-20 h without an intermediate sanding.
- Decopaint / VOC
- EU limit for MODU B 1c (cat. A/d: 130 g/l)
- MODU B 1c max. = 85 g/l VOC
- EU limit for MODU B 2c (cat. A/d : 130 g/l)
- MODU B 2c max. = 96 g/l VOC

Application technology

Example	MDF coating, RAL 9010		
1. Gradual sanding	Grit size 180 – 240		
2. Priming	OLI-AQUA Filler 15.88 white, 200 – 250g/sqm; - pre-spray edges -		
3. Drying at 23°C / 65% rel. humidity	Dust-dry	Sandable	
	30 min	2-3 h	
4. Intermediate sanding	Grit size 240 / 320 / 400		
5. Top coat	OLI-AQUA MODU B RAL 9010 2c with Hardener 13.5 (ratio 10:1) approx. 100 – 130 g/sqm		
6. Drying at 23°C / 65% rel. humidity	Dust-dry	Stackable	
	1 h	16 h	

Tip

For a rational coating with optimum usage properties, we recommend the application of a priming coat with MODU B 1c and a top coat of MODU B 2c (with Hardener 13.5, at a ratio of 10 : 1).

The use of Hardener 13.5 prolongs the time until sandability by approx. 1 hour.

Our verbal and written recommendations for application can only provide non-binding advice. They are based on our experiences and the current state of knowledge with regard to practical use. These recommendations, however, do not release the user from the obligation to test the suitability of the product for the intended purpose and application himself. This statement supersedes all previous versions. Last update: 12.02.2010.