



TECHNICAL DATA SHEET

OLI-AQUA NORDIC B 18.45 | 1K+2K coloured paint

Ultra-matt, fast-drying, water-based 1K/2K coloured paint for furniture, doors and stairs in interior applications.
Suitable for brushing, rolling and spraying.

Gloss level	Range					
	Quantity per pack	1 x 1 L	6 x 1 L	1 x 2.5 L	2 x 2.5 L	1 x 10 L
18.45-0 ultra-matt	A00XXX	☒	☒	☒	☒	☒
Scope of application	- Wood and wood-based materials indoors - Residential & commercial - High-quality furniture - Interior woodwork: interior doors, panelling - Stairs - Shopfitting & exhibition stand construction					
Features	- High-solids water-based varnish - For a matt, coloured finish on wood and furniture; excellent stability - Highly lightfast colour pigments - Excellent filling and covering power - Quick-drying and stackable - Ultra-matt finish – gloss level below 5% - Anti-fingerprint - Easy to use – can be easily applied by brush, roller or spray - Can be applied with hardener 13.2 (optional)					
Complies with/tested to	- EU Decopaint compliant - DIN 71-3 (safety of children's toys) - DIN 53160 (saliva and sweat resistant) - DIN 68861 T1 C (chemical resistance) - DIN 68861 T1 B (selected media) - Free from formaldehyde and aromatic compounds - Free from NMP and NEP					
Composition	Organic acrylate dispersion with a minimum content of 30% derived from renewable, plant-based sources					
Shelf life	12 months in the original, unopened container. Do not store or transport at temperatures above +30°C or below +5°C.					
Notes	Optimal application conditions are at +20°C and 50% relative humidity. Do not apply at temperatures below +15°C. Mix containers with different batch numbers before use to avoid colour variations. Stir the contents of the container thoroughly before removing any material! Always reseal the container tightly after removing material to protect the contents from drying out (skin formation). For the 2-component variant, mix thoroughly with OLI-AQUA Hardener 13.2 in a mixing ratio of 10:1 immediately before use. The pot life is 3 hours. The end of the pot life cannot be detected by a change in viscosity. Do not pour back any excess material. Thinning with up to 10% tap water is possible for both 1-component and 2-component applications.					

IMPORTANT: When using airless or Airmix spray guns, do not use slotted or insert filters finer than 100 µm. All fittings through which the material flows must be made of stainless steel. Clean the spray gun with water immediately after use.

Substrate preparation	Gradual sanding of timber with 150–180 grit Gradual sanding with sanding sheets, 180–320 Gradual sanding of filler, 280–320 The surface must be dry, thoroughly cleaned and free from oil, wax, grease, silicone and sanding dust. Pre-treat MDF edges and profiles with OLI-AQUA 15.88 I 1K insulating filler. For woods with high resin and active ingredient content, carry out a test coat and/or consult the application technology department.			
Hardener/Thinner	Hardener optional	10 % OLI-AQUA Hardener 13.2 (by volume; paint : hardener = 10:1)		
	Thinner	Tap water (max. 10%)		
	Working time at 20 °C, 65 per cent relative humidity	3 hours		
Application		Cup	Airless/ Airmix	Brushing/rolling
	Spray pressure (bar)	2.0 – 3.5	90 – 120	-
	Nozzle size (mm)	1.8 – 2.0	0.23 – 0.33	-
	Compressed air for Airmix (bar)		2 – 3	-
	Thinner content (%)	5 – 10 %	0 – 5 %	-
	Processing viscosity DIN 4 mm (sec.)	100–120	100–120	Delivery viscosity
	Application rate per pass (g/m²)	100 – 120	100–120	60–80
	Coverage per application (m²/L)	8–10	8–10	10–12
Drying	Dust-dry: 45 mins Ready for sanding: 2 hours Stackable: 16 hours Drying times are highly dependent on humidity, temperature and the amount applied.			
Application recommendations	For raw MDF, first apply OLI-AQUA Filler 15.88 as a primer and sealer. After drying overnight, an intermediate sanding is carried out with K 280–320. The top coat is then applied using OLI-AQUA NORDIC B 18.45: once by spraying or twice by rolling/brushing, whereby a drying time of 2 hours and an intermediate sanding with K 280–320 are required after the first coat. For solid wood or veneer, OLI-AQUA NORDIC B 18.45 serves as a primer. After a drying time of 2 hours, sand with K 280–320 before applying the top coat: once by spraying or twice by rolling or brushing, with an intermediate sanding using K 280–320 and a 2-hour drying time between coats. If a primer film is used, a separate primer coat is not required. The top coat of OLI-AQUA NORDIC B 18.45 can be applied immediately: once by spraying or twice by rolling or brushing, with an intermediate sanding using K 280-320 after 2 hours' drying time.			
Cleaning tools	Rinse tools with tap water immediately after use. Dispose of cleaning residues properly.			
Safety	No labelling required; not a hazardous substance. Further safety instructions can be found in the safety data sheet at www.oli-lacke.de.			

Our technical application recommendations, whether verbal or in writing, are provided for guidance only and are not binding. They are based on our experience and the current state of knowledge gained from practical application. They do not relieve the user of the responsibility to test our products themselves, at their own risk, to ensure they are suitable for the intended purpose. All previous editions are hereby superseded. Date: 21 December 2022_GS-UPD 16 February 2025