

Epifanes Aqua Marine Varnish

Waterbased one-component interior satin finish

Type	Fysical drying	
Base	urethane-/acrylic dispersion	
Properties	An almost solvent free quick-drying, clear one component interior satin finish. This finish gives a rich, sublime hand rubbed finish with good resistance to alcohol and household chemicals. Preferred on interior woodwork. Low odor	
Field of application	As finishing satin coat over several build up of three to four high gloss sealer coats of Epifanes Clear Gloss Varnish, Woodfinish Gloss or Rapidclear on all interior woodwork (mahogany, meranti, Oregon pine and plywood). Maintenance of intact existing (one- and two-component) interior satin varnishes regardless which brand.	
Colour	Milky when applied, but dries transparant amber	
Gloss	Satin	
Density	1,005kg/dm ³	
Viscosity	10 seconds DIN-cup 4 mm.	
Solids contents	32 +/- 2 vol. %	
VOC - level	46 grams/liter	
Packing	1000ml.	
Shelf life	In closed container stored in a dark location between 5-25°C., approx. 3 years.	
Conditions during application and drying	Temperature	minimal 8°C. - maximum 30°C.
	Relative air humidity	minimal 50% - maximum 75%
Thinner for brush applications	Tap water (distilled)	
Thinner for spray applications	Tap water (distilled)	
Application tools	Soft, longhaired nylon brush (oval or full style) Conventional air spray with stainless steel nozzle	
Recommended filmthickness / coat	60 µm wet = 20 µm dry	
Application recommendations	Stir well prior to use. Do not overbrush. Do not apply wet-in-wet. Do not apply excessive wet films to avoid the formation of curtains and drying problems. Apply two coats Aqua Marine Varnish. Always apply along the wood grain. When applied the surface may look cloudy at first, but will dry completely clear. Only after the surface is fully clear a fresh coat can be applied. Lightly sand with 320 grit paper between all coats. Avoid varnishing in direct sunlight or too much wind. A rapid loss of solvents will occur under these conditions and decrease the flowing ability. Use only soft, long bristled, clean and dry brushes of good quality.	
Theoretical coverage	12 m ² (130 sq feet) per litre @ 30 µm dry filmthickness	
Prakcticle coverage	Dependent on condition of substrate, loss of material due to factors such as application technique, shape of object, circumstances during application.	
Substrate conditions	Well cleaned, degreased, with P-220 sanded, intact well adhering one- and two-component varnish systems.	

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Application details

	Air spray	Brush
Thinning volume	10-15 %	0-5%
Nozzle (stainless steel)	1.5 mm - 1.8 mm	
Pressure	2 - 3 Bar	
Viscosity DIN-cup 4 mm	20-24 sec.	

Application remarks

Airless spray not advised

Drying times @ 20°C. / 65% RAH and 30 µm dry filmthickness

Dustdry	Sandable	Recoatable
1 hour	12 hours	12 hours

Recoatable with

All Epifanes one-component varnishes (gloss)

System build up (mahogany)

Due to the higher filling capacity, fill bare wood to a smooth surface by applying several gloss coats first. On openporic wood types more grain filling coats may be needed.

Product	Nbr. of coats	Epifanes Thinner per coat	%	Drying times per coat at 18°C./65°F	Abrasive paper	Remarks
EPIFANES Clear Varnish	1	EPIFANES Brushthinner for Paint & Varnish	25	24 hours	220 dry	In order to minimize sinking of subsequent varnish coats, drysand wetfilm with 220 grit wetordry abrasive paper, allow to dry and subsequently scrape clean.
EPIFANES Clear Varnish	1	EPIFANES Brushthinner for Paint & Varnish	5-10	24 hours	220 dry	Second grain filling coat. Sand by hand along the wood grain.
EPIFANES Clear Varnish	1	EPIFANES Brushthinner for Paint & Varnish	0-5	24 hours	280 dry	Third grain filling coat. Sand by hand along the wood grain.
EPIFANES Aqua Marine Varnish	2	Distilled water	0-5	12 hours	400 wet	Sand by hand along the wood grain. Only after the surface is fully clear a fresh coat can be applied.

Safety

The user of this product should obey all all national laws and legislation concerning health, safety and environmental hazard. For more information on health and safety, refer to the Material Safety Data Sheet of this product.

Although the facts and suggestions in this product information sheet are based on our own research and field experiences and are believed reliable, we cannot simply be held responsible for performance or results obtained through the use of this product. Ineffectiveness or other unintended consequences may result, because of such factors as weather, conditions, presence or other materials or the manner of preparation, use or application all of which are beyond W. Heeren & Zoon's control. All such risks are assumed by user.

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