

AqualitColor AC-E451-PE



Product data	
Product color	Pearlescent
Packaging size	5 kg
Viscosity at delivery DIN 4 mm (sec.)	60-100
Shelf life - Original container unopened	at least 1 year
VOC Directive EC limit value for this product (cat. A/e): 130 g/l (2010)	This product contains max. 103 g/l VOC.

Preparation of substrates		
	MDF - not affected by moisture	Pretreat with AqualitColor AC-IP360 until a closed, even surface is obtained. Final sanding of the primer with grain size P280 - P320.
	MDF - affected by moisture Exotic wood / woods rich in extractives	Pretreat with AqualitColor AC-IP360 (hardened) until a closed, even surface is obtained. Final sanding of the primer with grain size P280 - P320.

Processing	
	Stir thoroughly!
	Mix and apply the product as described under "Hardener Thinner Additives". Metallic lacquerThe product can be applied purely or mixed with AqualitColor AC- T450-30-colour. At least half of the mixture should be special effect lacquer, in order to ensure sufficient effect finish. The metallic effect is badly influenced by the addition of white pigment (WNC/R9016). The special effect lacquer AC-E451-GO cannot be used for tinting; it can only be applied purely. Glitter effectA small amount of the product can be added to the Aqualit clear topcoat systems. Painted surfaces, which have been created before with AqualitColor AC-T450-30-colour, are provided with a special glitter effect. To obtain the best possible effect, the quantity added must be as small as possible and should be between 0.5% - 5%.

Hardener - Thinner - Additives		
	Hardening	5% of HWA 6000 Also in the case of mixtures with AC- T450-30-colour.
	Dilution	TWA 9000-F or tap water
	Pot life 20°C, 65% rel. humidity	up to 4 hours

Application	
Spray pressure (bar)	1.5-3.0
Nozzle size (mm)	1.6-2.0
Thinner to be added (%)	5-10
Processing viscosity DIN 4mm (sec.)	30
Coverage per application (g/m²)	120-150
Coverage (m²/l)	6-8

Drying time @ 20°C	
Dust dry	at least 40 minutes
Touch dry	at least 1 hour
Ready for transport	at least 12 hours
Sandable	at least 4 hours

Products from AkzoNobel Wood Coatings are exclusively produced for professional and industrial users, who have a basic knowledge of the handling and application of chemical/technical products for surface design. The processing instructions for reaching the qualities given in the leaflets should be regarded as non-binding recommendations and do not constitute any warranty. These recommendations are based on our experiences, including test series, and should facilitate and promote the work of our clients. Any potential deviation from ideal working conditions is within the responsibility of our clients and may affect the (end) result of the application. The purchaser is not relieved from his duties to inspect the product and its suitability for the surface to be processed, preferably through trial processing. If in any doubt as to the handling or processing of the purchased product, our material experts as well as our application and laboratory technicians will help you to the best of their ability. AkzoNobel, of course, guarantees an impeccable quality of its products in its product specifications, yet the use thereof lies entirely within the responsibility of the purchaser. As long as we have not guaranteed - in writing - the specific characteristics and suitability of a product for a contractually agreed purpose, any advice or information given regarding the application or handling, even if the advice or information is given to the best of our knowledge, will not be binding nor will it constitute a warranty. AkzoNobel's liability for the use of its products by its customers is limited in its General Sales and Delivery Conditions, to which the purchaser is hereby referred. The applicable version of the Technical Data Sheet for this product can be downloaded from our websites. Previous versions of the Technical Data Sheets are rendered void with the issue of a new one. Date of issue: 2020-07-21 / 4

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Special notes	
The product is frost-sensitive. Do not store and transport under 5° C	
Do not use any rusting tools.	
Plastic foil boards (e.g., HPL or melamine resin) must be thoroughly sanded. Priming foil boards must be clean and free from grease and silicone.	
Always keep the containers closed in order to protect the contents against drying-out.	
CO2 is released during the reaction of the two components. For that reason, the hardened product must not be poured into a closed container.	
PU hardeners are affected by moisture. Always store the hardener in tightly closed original batches.	
When using PU hardeners, always follow the safety instructions on the label.	
PU hardeners can be stored in the closed original container at a cool and dry place for a maximum of one year.	
By diluting the product with TWA 9000-F, drying is accelerated and the flow and wetting properties of the lacquer are improved.	
Test standards	
	EN 71-3 Migration of soluble heavy metals
	DIN 53160 Part 1 and 2 Resistance to saliva and sweat

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AN_204450_060919