

TECHNICAL DATA SHEET

AU 447

CLEAR WATERBORNE BASECOAT FOR PARQUET

Area of use:	Flat parts, parquet
Method of use:	Brush, roller coater.
Thinning:	Ready to use. If necessary, thin with tap water.

Technical characteristics

Solids content (%):	33 ± 1
Specific gravity (kg/l):	1.030 ± 0.030
Viscosity (DIN 4 at 20°C):	15" ± 2"

General characteristics

Drying time (100 g/m ² at 20°C 65% humidity):	Dust free	30'
	Touch dry	60'
	Overcoatable:	2 hours
	Sandable:	4 hours
	Foot traffic:	24 hours
Recommended application weight (g/m ²):	60 ÷ 100 per coat	
Spreading rate (m ² /kg):	10 ÷ 15	
Number of coats:	max 3	
Shelf-life (months):	15	

AU 447 is a one-pack waterborne basecoat suitable for interior applications ensuring high transparency and build.

The good performance in terms of pore wetting as well as an excellent release of foam, make AU 447 ideal for parquet and for those surfaces to be coated by roller or by brush.

When spray application is required, consider that AU 447 vertical hold is not enough to enable coating of vertical profiles if not very thin coats.

Formulated on acrylic base, it is non-yellowing and does not alter wood colour in time. Since it does not contain UV absorbers it gives no protection to natural wood colour.

Thanks to its good general characteristics, AU 447 can be used for open pore systems, but it is in closed or semi-closed pore systems (achievable by application of two 80-100 g/m² coats of product) that its transparency and build can be appreciated at best.

In regular drying conditions (20°C, 65% humidity and good ventilation), the basecoat can be sanded already after 34 hours. Lower temperatures and higher humidity lead to a longer drying time.

In case a higher build is required, wait 24 hours before applying the third coat. In this case, sanding shall take place only after 6-8 hours.

Sanding of the basecoat

When drying of AU 447 is complete, sanding can take place by all conventional systems, both automatic and manual, paying attention not to put a too heavy pressure since this may cause a significant increase in temperature. This is particularly evident using scotch-brite or fine sanders, when the increase is detrimental for the waterborne coating film since, being thermoplastic, may melt. In this cases, the use of the crosslinking additive for waterborne coatings XA4080 may enable this kind of operations even at 0.5% only, since remarkably reduces thermoplasticity.

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Application of topcoat

AU 447 waterborne basecoat can be overcoated without problems using any of the HYDROPLUS waterborne topcoats or self-sealers. If used to coat parquet flooring, use AF5350 self-sealer as finishing coat.

Warning

For application on exotic timbers, particularly resin rich or dark, we recommend a preliminary check of suitability, by testing that drying is regular and does not leave stains or whitish areas where the coating film may result to be insubstantial.

General instructions

- Storage temperature shall not fall below 5°C. Can be damaged by the cold.
- During application, keep the product, the substrate and the room at a temperature of at least 15°C.
- Coating residues (washing water, booth water, used coating) must be disposed of in accordance with current legislation. Do not pour residues down drains.
- In view of the wide variety of materials used for manufacturing wooden products, when switching from a solvent-based to a waterborne coating system it is always advisable to contact your suppliers' technical departments to check whether your equipment and components are appropriate or whether more suitable types exist. In particular, check: electrostatic guns, pumps, seals, silicones, glues, booth treatment water products, packaging materials, fillers, sandpaper, etc.

For further information on all stages of furniture coating using waterborne products, consult our technical booklet "GENERAL GUIDELINES ON THE USE OF WATERBORNE COATINGS FOR INTERIORS".