Lorchem

Technical Data Sheet

RESIDENTIAL

Water based Transparent Topcoat for Harwood flooring

Main product characteristics			
Typical Proprieties :	Fast Drying	Certificate high traffic	NMP free
Recommended use for :	Parquentry flooring timber	stairs	tables
Applications Method:	By conventional Spray gun	roller	brush
Main Purpose :	The product is 1K topcoat friendly to be used like a varnish suitable for residential purpose and normal wearing areas of flooring. The film is uniform and reaches in a few days a good chemical and abrasion resistance. The varnish does not turn yellow and maintains natural wood tone.		
Preparation product:	Ready to use; to increase the chemical and physical characteristics it is possible to add, in the last coat, 1-2% of crosslinker Possibly catalyze with 10% CW 7900 hardener.		

Gloss levels available / Scratch Hardness			
10 gloss	30 gloss	50 gloss	100 gloss
0.8 (N)	0.5 (N)	0.4 (N)	0.4 (N)

Chemical – Physical characteristics (20 °C)		Application Properties	
Solid Content (%)	32 ± 2	Vertical Hold (µm wet)	
Specific Gravity (g/cm^3)	1,04 ± 0,020	Recommended N° of coats	2 – 3
Viscosity DIN 4 (sec)	20 - 25	Recommended quantity per coat (gr/m^2)	min: 80 max: 120
PH	7,5 – 8,5	Metric yield (m^2/kg)	12 - 14

General information				
Dry at 20°C and UR% between 45 - 65: 100 g/m^2		**Dry in tunnel: 100 g/m^2**		
Dust free	1 hours		Temperature	Time
Overcoat	2 hours	Flash Off	30 °C	10 minutes
Sanding	4-5 hours	Laminar Air	45 °C	30 minutes
Stepping time	24 hours	Cooling	20 °C	10 minutes

Substrate Preparation

Raw woods: Sand the surface with 150-180 grit sand-paper. Clean well the surface, removing all traces of oil, wax and resin substances. Fill up any crack as well as the joint parts with Acquastucco clear, which must be mixed with the saw dust of the same wood. Apply RESIDENTIAL like a self-sealer, wait for 4-5 hours after first coat. Then, sand with grit 180-220 and apply further 1-2 coats of product with interval of 2 hours between the single coats.

Application Instructions

To obtain the best results by roller. Diluite with max.10% water.

Note and remarks

- Mix the product before use.
- The shelf life is 12 months if the products are stored in an environment with temperature between 5 – 35 Celsius Degrees.
- The product application on substrate must be done in an environment with no less than 12°C. Coatings applied at lower temperatures will show chemical and mechanical properties lower than standard performances that can be normally achieved.
- Coating left overs (washing waters, waters from spray booths, used coatings) must be disposed according to local regulations. Never dispose residues directly into drains.
- Application tools must be cleaned with water after the use. When needs to remove paint dry films, please, use the special detergent **HYDROCLEANER** or **ACETONE.** Let **HYDROCLEANER** or **ACETONE** work overnight and then clean with water.

Additives

Problems / Requirements	Solutions	Quantity to be used	
		%	Grams per 20 kg
Craters/Cissing caused by environment contamination	Soluzione Antischivante	0.5 max.	100 gr.
How to slow down the drying process	WB retarder	5 - 20 max	1000 - 4000 gr.

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