Lorchem

Technical Data Sheet

ECO MEGATIX

Waterborne Topcoat for exterior

Main product characteristics			
Typical Proprieties :	It contain IPBC	High concentration of UV filters	Good scratch resistance
Recommended use for :	doors	windows	shutters
Applications Method:	By conventional Spray gun	Air less	Air mix
Preparation product:	Ready to use; In case of dilution, add up to 5-10% of warm water		

Gloss levels available			
G 20	G 40		

Colours available							
Clear	Noce chiaro 201	Noce 252	Hemlock 209	Larice 203	Teak 208	Noce scuro 210	Castagno 204
Bianco 200	Verde 213	Framirè 244	Merbau 250				

Chemical – Physical characteristics (20 °C)		Application Properties	
Solid Content (%)	37 ± 1	Vertical Hold (µm wet)	275
Specific Gravity (g/cm^3)	1,04 ± 0,02	Recommended N° of coats	1 - 2
Viscosity Brookfield (cps)	25000 – 35000	Recommended quantity per coat (gr/m^2)	min: 250 max: 275
Ph	8.5 – 9.5	Metric yield (m^2/kg)	3 - 4

General information				
Dry at 20°C and UR% between 45 - 65: 100 g/m^2		**Dry in tunnel: 150 g/m^2**		
Dust free	15 minutes		Temperature	Time
Handling	1 hour	Flash Off	30 °C	15 minutes
Overcoat	4 - 6 hours	Laminar Air	45 °C	90 minutes
Stackable	24 hours	Cooling	20 °C	15 minutes
Sanding	4 hours	Stackable	At Tunnel exit	

Substrate Preparation

Wood treated with basecoat: Sand the basecoat using sand paper grit 240-320 and, then, apply 1 coat of Eco Megatix.
The Eco Megatix suits applications on wood items already coated with preservatives, as well.
The application on Nitrocellulose and polyurethane basecoats is not recommended.

Application Instructions

To obtain the best results it is necessary to use the right equipment in order to better atomize the varnish.
Here follows some suggestions for spraying applications:

Use	Dilution %	Nozzle / mm	Press. Air / bar	Press. Vanish / bar
Conventional spray gun	5 -10	2 - 2,5	3,5	--
Air mix	--	11 - 13	4	80 -110
Air less	--	11 - 13	--	120 - 150

The use of pre-atomizers and pre-heaters, to bring the temperature to 30 – 40 °C, ensures a correct application regardless the room temperature. The drying process should be carried out in environments with adequate air ventilation (the recycle of air in the drying room should be carried out every 15-20 minutes).

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°C.
- 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 use. When dry films must be removed, the special detergent **HYDROCLEANER** should be used, letting it work overnight and then cleaning 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 grs.
How to increase the verticality	Soluzione Addensante	2 - 5 max	400 -1000 grs.
How to slow down the drying process	WB Retarder	5 - 20 max	1000 - 4000 grs.