Lorchem

Technical Data Sheet

MEGANATURE

Waterborne Topcoat for exterior Natural Effect – Zero Gloss

Main product characteristics			
Typical Proprieties :	High concentration of IPBC	High concentration of UV filters	High scratch resistance
Recommended use for :	doors	windows	shutters
Applications Method:	By conventional Spray gun	Air less	Air mix
Main purpose:	Topcoat for exterior with incredible characteristics: a natural wood effect, soft-touch feeling, very low level of gloss and an excellent durability.		
Preparation product:	Ready to use. In case of dilution, add up to 5-10% of warm water.		

Colors available			
Clear 0 gloss	Hemlock 0 gloss	Larice 0 gloss	

Chemical – Physical characteristics (20 °C)		Application Properties	
Solid Content (%)	31 ± 1	Vertical Hold (µm wet)	250
Specific Gravity (g/cm^3)	1,03 ± 0,02	Recommended N° of coats	2
Viscosity Brookfield (cps)	17000 - 25000	Recommended quantity per coat (gr/m^2)	min: 250 max: 300
pH	7,5 – 8,5	Metric yield (m^2/litre)	3 - 4

General information				
Dry at 20°C and UR% between 45 - 65: 100 g/m^2		**Dry in tunnel: 250 g/m^2**		
Dust free	30 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 (Eco Vernifond or Eco Supernova) with 320 – 400 grit sandpaper.
Apply Eco Meganatur (topcoat) as per above recommendations.
The Eco Meganatur (topcoat) can be applied on waterborne sealers/basecoats, only.

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	10 - 20	2 - 2,5	3 - 4	--
Air mix	--	09 - 11	1 - 2	80 -110
Air less	--	09 - 11	--	120 - 150

The uses of pre-atomizers ensure better application constancy whatever is the ambient room. Drying should be carried out in areas with good air ventilation (the whole volume of air of the drying room should be renewed 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 leftovers (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
How to increase the verticality	Soluzione Addensante	2-5 max	400 -1000 gr.
How to slow down the drying process	WB Retarder	5-20 max	1000 - 4000 gr.