

ECOPUR STONE 2K CLEAR

WET892.XXS.XXX

Waterborne Topcoat Transparent Bi-component with high performance

Main product characteristics

Typical Proprieties :	High chemical-physical performance	It contains UV Filters	High outdoor resistance
Recommended use for :	Doors	Wooden windows	Shutters for exterior
Applications Method:	By conventional Spray gun	Air less	Air mix
Main Purpose :	Topcoat with excellent performance chemical-physical, easy to apply, low voc, 0 indoor emission.		
Preparation product:	Add CW7800 hardener at 10%.If necessary, dilute (10-20%) with warm water and stir very well with a mechanical stirrer. Avoid using pre-heater units in case of bi-component application.		

Gloss levels available

15 gloss	30 gloss	50 gloss	100 gloss
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Colours available

Clear	Hemlock 209	Larice 203	Castagno 204	Framirè 277	Mogano 207	Merbau 250	Noce 252
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Chemical – Physical characteristics (20 °C)

Solid Content (%)	32 ± 2	Vertical Hold (µm wet)	250
Specific Gravity (g/cm ³)	1,04 ± 0,02	Recommended N° of coats	1 - 2
Viscosity Brookfield /CPS	20000 - 30000	Recommended quantity per coat (gr/m ²)	min: 125 max: 150
Pot Life	3 hours	Metric yield (m ² /kg)	4 - 6

Application Properties

General information

Dry at 20°C and UR% between 45 - 65: 120 g/m ²		Dry in tunnel: 120 g/m ²	
		Temperature	Time
Dust free	30 minutes	30 °C	10 minutes
Handling	60 minutes	45 °C	30 minutes
Overcoat	2 - 4 hours	20 °C	10 minutes
Stackable	8 - 12 hours	Stackable	At Tunnel exit

Substrate Preparation

Wood treated with Basecoat: Sand the basecoat using 240 – 320 grit sandpaper, then apply 1 coat of Ecopur Stone 2k. The Ecopur Stone 2k can be applied directly on wood items already coated with preservatives, in this case 2 - 3 coats of finish are recommended. The application on Nitrocellulose and polyurethane basecoat it is not recommended.

Application Instructions

To obtain the best results is necessary to use the right equipment in order to atomize better the product without diluting with water. Here following some suggestions for spray applications ;

Use	Dilution %	Nozzle	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 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 gr.
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.