

ACQUAPUR STONE 2K CLEAR

WIT982.XXS.CLR

Waterborne Topcoat Transparent Bi-component with high performance

Main product characteristics

Typical Proprieties :	High blocking resistance	Excellent verticality	High scratch resistance
Recommended use for :	Furniture	Stairs	Doors
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 CW7500 hardener at 10%. Dilute 5 - 10% with warm water and stir very well with a mechanical stirrer. Avoid using pre-heater units in case of bi-component application. PS: add CW 7600 hardener with Acquapur stone 2K clear 50 - 100 Gloss.		

Gloss levels available

15 gloss	30 gloss	50 gloss	100 gloss
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Chemical – Physical characteristics (20 °C)

Solid Content (%)	32 ± 2	Vertical Hold (µm wet)	140
Specific Gravity (g/cm ³)	1,04 ± 0,02	Recommended N° of coats	1 - 2
Viscosity Brookfield (cps)	4000 - 5000	Recommended quantity per coat (gr/m ²)	min: 120 max: 140
Pot Life	3 hours	Metric yield (m ² /kg)	4 - 6

Application Properties

General information

Dry at 20°C and UR% between 45 - 65: 100 g/m ²		Dry in tunnel: 100 g/m ²		
Dust free	30 minutes	Flash Off	Temperature	Time
Handling	60 minutes	Laminar Air	30 °C	10 minutes
Overcoat	2 - 4 hours	Cooling	45 °C	30 minutes
Stackable	8 - 12 hours	Stackable	20 °C	10 minutes
			At Tunnel exit	

Substrate Preparation

Wood treated with Basecoat: Sand the basecoat (Acquapur fond 2K stone only) using 240 – 320 grit sandpaper. 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 / 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 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.