

## *TECHNICAL DATA SHEET*

**NAME: WATERBASED PRECAT SEALER**  
**CODE: 9032I**



**WATERBASED PRECAT SEALER** is a single pack “self-linking” base coat, water based, expressly developed to paint wooden article for indoor such as doors, furniture and timber joinery.

It’s employed on articles previously treated with solvent or water based dyes or stain that are resistant to the next coating with water based products.

It has a very good characteristic of transparency, drying time, hardness to be compared with the traditional polyurethane base coats. It has a low solvent content and a good behaviour if applied “vertically”.

**WATERBASED PRECAT SEALER** is a excellent product, with an excellent value for money. With its employ, good results in term of wood pore covering and ease of sanding are assured.

Furthermore, it can also be employed in combination with its poly isocyanate hardener (CW 7500, up to 5%) to improve its characteristic.

**USE:** indoor timber furniture and doors.



**SUBSTRATE:** Sand the wood with abrasive paper 180-240 grain due to the wood kind chosen.

Apply the stain (where required) and wait for the complete drying. Then proceed with one or more coats of **WATERBASED PRECAT SEALER**, due to the degree of wood covering and thickness result.



**APPLICATION:** Spray

It’s possible a light staining of the product itself, adding small quantities of **ACQUAGLAZE**, up to 2% maximum.

The product is normally sprayed ready as it is; in the cold seasons, if needed, rather that water dilution it is advisable to use a pre-heater set between 35°C and 45 C° (95°F and 113°F). In the hot seasons a 5-10% water dilution is suggested, working with pre-heater set on 35°C (95°F).

The viscosity of the product allows applying 100 microns of “humid” thickness without “drops”; we do not suggest higher film thickness because the sanding and the vertical properties could be compromised.

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It's also possible apply more coats of **WATERBASED PRECAT SEALER** in 3-4 hours, without sanding; over passing this time limit we suggest to wait the complete drying (24 hours), then sand and apply the next coat of paint. In this case it's also advisable to add water in 10-15% in the first coat, to improve the pore penetration of the product.

Good ventilation speeds the drying time.

Gun nozzle: airless → 09 fixed, 015 adjustable pressure 4 bar  
cup gun → 1,8 pressure 3,5

bar

It's important that the spray gun does not have any solvent paint residue, left from the previous applications. We suggest cleaning the paint tools after the use.

For a perfect cleaning use "HIDRO-CLEANER".

### N.B.

store at temperatures above 5°C.



### TECHNICAL CHARACTERISTICS

Solid content : 28%  
Volume density : 1,04 Kg./dm<sup>3</sup>  
Viscosity : 150" sec. - F4  
Yield : about 100-125 gr./ m<sup>2</sup> each coat (= 8-10 m<sup>2</sup>/Litre)



### DRYING

Dust free :15 minutes  
Touch free :45 minutes  
Sanding :after 12 hours with no oven  
Recoatable after :24 hours

These values are subject to important variation due to the working temperature; in the hot seasons the vertical performance and the "grip" is lower. We suggest to paint in controlled temperature ambient (more than 10°C / 50°F), possibly with a pre-heater equipment for the paint and to keep the coat container in a warm place for 24 hours before using it.

**PACKAGING:** 5 Lt. 10 Lt. 25 Lt.



## SPECIAL WARNINGS

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**Stain:** special care must be dedicated to the wood coloration (dye or stain) before water based paint. There could be interference a many levels; to check the compatibility of the stain, firstly test a small sample area of the wood you have to paint, and then wait for the complete drying. Wet a cotton tuft with water and rub the wooden surface for 30 seconds. If the cotton tuft results very coloured, this means that the stain is removable from water products, and there's no way to go on. If not, you can proceed with a spray test on a wooden panel with **WATERBASED PRECAT SEALER**. Also check the sanding and spray the desired top coat.

**Tannin:** pay attention to the kind of wood you're about to paint, because oak, ash, chestnut, iroko, niangoon, meranti and exotic hard timbers with big pore normally contain inhibitors substances that are subject to come out if the goods are water painted. This event is not always regular, so it's hard give an explanation, find a treatment and mostly it's not immediately pointed out.

If the tannin outgo is seen (with small volcano's craters cylindrical), we suggest to sand the surface and recover with a new film of paint.

**Cleaning:** because of the less chemical resistance of the water based paint compared with the traditional solvent base paint, we suggest to clean the article with water and a neutral detergent (the best is out **HIDRO-CLEANER**). Ammonia or alcohol based solution may seriously damage the film of the paint. We suggest cleaning the surface almost twice a year to reduce at the lower lever the chemical attack by acid rains and atmospheric pollution.

**Blocking:** although this product is provided with a good blocking resistance, it is a thermoplastic paint. We suggest evaluating case by case the stock condition of the painted articles, avoiding to heap up the goods to reduce the surfaces contact.

**Glueing:** always previously check the kind of glue you're about to use with a water-based paint to avoid removal, detaching or others problems (especially when using veneers).



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**Sealers:** before using water based products, always verify the perfect compatibility of silicones and gaskets with the paint itself. Best results are obtained with neutral silicones and neoprene base gaskets.

Always verify the suitability of the product for the job to be done before application. We can not accept responsibility for the outcome. This technical data sheet is an official document of VERNITES S.N.C. There is no personal signature on it because it is issued by an automatic system.

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