

TECHNICAL DATA

<b>PRODUCT</b>	<b>LVM 000 SIVAWOOD NATURAL</b>
<b>DEFINITION</b>	Clear Water Based Self Sealer for Natural Effect Interior use only
<b>THINNER(S)</b>	Product ready for use Eventually with Water

**MAIN FIELD OF USE:**

Wooden substrates for interior use, furnishing and accessories, furniture etc. Used as self-seal product with sanding required between coats.

**PROPERTIES:**

The product has been formulated to give to the wood the typical natural effect (unpainted), since provides a minimum coloration of the treated essences.

It has excellent wetting and it is particularly suitable for light woods (maple, ash etc.)

**CHEMICAL-PHYSICAL PROPERTIES:**

Specific Weight (at 20°C/68°F)	8.518 lb/USgal ± 0.10	VOCs ( % )	3.75 ÷ 3.95
Specific Weight (at 20°C/68°F)	1020 g/l ± 10	VOCs ( lb./USgal)	0,478 ÷ 0.495
Solid Content % by Volume	27%	VOCs ( g / l )	38.65 ÷ 40.65
(Average theoretical value according with ISO 3233-3:2015)			
Solid Content % by Weight	28% ÷ 29%		
Viscosity DIN Ø 4 (at 20°C/68°F)	50" ± 2	Pot Life see notes	n.a.
Viscosity Brookfield (at 20°C/68°F)	n.a.	Shelf Life see notes	12 months

**PREPARATION OF THE PRODUCT:**

	by volume		by weight	
LWM 000	10 parts	100%	10 parts	100%
Water	0,5-1 part	5-10%	1 part	5-10%

**DRYING-TIME** (at 20°C/68°F) – Used as single component

Dust-free	20 min.
Dry to touch	50 min.
Able to handle	3 hours
Time between coats (sanding)	3 hours
Thoroughly dry	> 8 hours hrs.

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These values may be affected by temperature and weather condition, or by unfavorable environmental conditions.

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**APPLICATION:**

By conventional spray gun or air mix.

Sand the substrate with sanding paper 150-180 grain, according to the essence used. Then proceed with the first layer (around 4 wet mils) in compliance with the suggested drying time. Sand with 280-320 grain sanding paper and apply the second coat with the same quantity.

To increase the chemical-physical and mechanical resistance, it can be added by LCW015 Hardener for WB products, at 5%, during the application of the second layer.

To increase the non-yellowing resistance to the substrate (light resistance / resistance to the UV rays), it can be added on the first and the second layers, by 1% of LXA180 UV Adsorber.

It is important that the temperature of the environment of application and drying is not less than 5°C and that the relative humidity does not exceed 80%.

Under conditions of critical humidity is required an airflow, preferably warm, to allow a perfect drying.

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**QUANTITIES:**

<b>1<sup>st</sup> coat (wet mils)</b>	4 ÷ 5
<b>2<sup>nd</sup> coat (wet mils)</b>	4 ÷ 5
<b>Maximum amount (wet mils)</b>	11 ÷ 12

**DILUTION:** max 10%

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**SUGGESTED CYCLES:**

a) Substrate:	Various veneers or solid woods	
Primer:	LWM000 SIVAWOOD	1 layer
Sanding:	280-320 grain paper	
Topcoat:	LWM000 SIVAWOOD	1 layer

**STORAGE:**

DO NOT STORE THE PRODUCT IN TEMPERATURES BELOW 5°C/41°F

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## **SPECIAL WARNING**

### **Stain**

Stain must be carefully checked because bleeding phenomena are always possible. To verify compatibility of the stain, a sample of the timber which is currently used must be stained; then drying completely. Finally, pass a wet cotton flake on the pieces. If it is heavily stained, the stain can be easily removed by WB products; if lightly stained, SIVAWOOD can be checked. Afterwards sand and apply the second layer.

### **Gluing**

Check the type of glue used before varnishing the pieces with water borne products: Glues having a holding value below B3, can cause the following problems:

- breakaway of the veneering from the substrate, blistering and ensuing damage of the varnished piece
- pore raising
- film bleaching caused by re-solubilization of the glue resins into the water borne varnish.

### **Following coats**

Comply with the drying time between the basecoat and the finish as pore raising may occur if pores are too much reduced.

### **Blocking**

The product is provided with a good resistance against blocking; it is however a thermoplastic varnish, therefore it is necessary to evaluate each time storage and stacking conditions of the varnished piece avoiding the contact in-between varnishes.

### **Tannin**

Check very carefully the type of timber to varnish. In fact ak, ash, chestnut, iroko, niangon, meranti, cedar, and hard exotic timbers with large pore generally contain inhibiting substances, which tend to leak if you use varnishes reducible by water. This inconvenience does not occur always and therefore it is difficult to explain it or to find a really effective remedy. If many tannin leaks occur (small black cylindrical "vulcanoes"), we suggest to sand the surface and apply a new layer of finish.

### **Cleaning**

As water borne varnishes have lesser resistance against aggressive chemical agents compared to traditional varnishes, we recommend to clean the piece with water and a neutral detergent. Ammonia and/or alcohol-base solutions can seriously damage the varnish film. Should aggressive solutions be spilled such as liquors, and similar drinks and/or very hot beverages like coffee, tea etc., we recommend to clean quickly the surface with a cloth soaked in water. The use of coasters can become much important in order to save the furniture varnished with water borne products.

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**IMPORTANT:** The information contained in this technical data sheet are based on the average results obtained in our laboratories and is the best experience we have acquired in the most rigorous manner, thorough tests and checks.

**Nuova S.I.V.A.M.** guarantees the consistency of the chemical/physical characteristics of its products within the tolerances indicated above.

The final result is the full responsibility of the user who, before using the product, must check that it meets his requirements in terms of safety, application equipment, support material to paint, and environmental conditions.

The information given herein is based on a temperature of 20°C/68°F and 70% of relative humidity.

**Nuova S.I.V.A.M.** technical and commercial network is at your complete disposal to deal with any questions regarding how to correctly apply and use our products.

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