

TECHNICAL DATA

PRODUCT CODE/NAME	<b>LVT 555 - IDROPRIMER</b>
DESCRIPTION	WHITE WB PRIMER for MDF
THINNER(S)	Water or LZD 786 for dilution ratio, see <i>PREPARATION OF THE PRODUCT</i>

**MAIN FIELD OF USE:**

This is a white water-based primer specific for MDF components, such as doors, furniture and interior items.

**PROPERTIES:**

It has excellent sanding and wetting properties, it also has excellent filling power, thanks to which the swelling of the fiber which often occurs on MDF is minimized.

**Addition with 2% of LXA 970 or catalysis at 3% with LCW013** greatly improve the insulating power and performance characteristics of the product, significantly implementing the aesthetics after applying the finishing coat.

**CHEMICAL-PHYSICAL PROPERTIES:**

Specific Weight (at 20°C/68°F)	11.190 lb./USgal ± 0,10	VOCs (lb./USgal)	0.590 ÷ 0.607
Specific Weight (at 20°C/68°F)	1.340 g/l ± 10	VOCs (g / l)	70.7 ÷ 72.7
Solid Content % by Weight	56% ± 1	VOCs (%)	5.2 ÷ 5.4
Solid Content % by Volume	40.6% ± 1		
(Average theoretical value according with ISO 2322-3:2015)			
Viscosity DIN Ø 6 (at 20°C/68°F)	85" ± 2"	Shelf Life see notes	18 months
Theor.Coverage # (1 dry mil)	507 ÷ 525 sqft/USgal		
# value referred to LVT555 ready to use			

**PREPARATION OF THE PRODUCT:**

	by volume		by weight	
LVT555	10 parts	100%	10 parts	100%
Water or LZD786	0-1.35 part	0-13.5%	0-1 part	0-10%

**REMARK:**

It is possible to improve the insulating power by adding LXA970 at 2% or LCW013 at 3%. Make sure you have well homogenized the products (varnish and crosslinker or hardener) before the use.

**DRYING-TIME (at 20°C/68°F)**

Dust-free	15-20 min.
Dry to touch	40-50 min.
Time between coats (no sanding)	40 min./4 hrs.
Dry to sand	4-6 hrs.
Thoroughly dry	8-12 hrs.

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

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**APPLICATION:**

The product is ready to use for airless or airmix applications, while for the use of an airbrush, dilution with water or LZD786 (5 to 10%) is recommended.

The viscosity normally allows to apply 5-6 mils of product per coat without having problems of sagging.

It is possible to use LCW013 (at 3%) or LXA970 (at 2%) to improve the insulating power and all the other characteristics of the primer.

In particular LCW013 gives the best results in terms of repainting, followed by LXA970.

It is possible to apply several coats of IDROPRIMER within 4 hours without sanding; beyond this limit, we recommend waiting for complete drying, then sand and apply the next coat of paint.

It is important that the temperature of the environment of application and drying is not less than 5°C/41°F 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. Good ventilation promotes faster drying even at depth.

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**QUANTITIES:**

<b>1<sup>st</sup> coat (wet mils)</b>	5 ÷ 6
<b>following coats (wet mils)</b>	5 ÷ 6
<b>Maximum amount (wet mils)</b>	15 ÷ 18

**DILUTION:** 0-10%

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**SUGGESTED CYCLES:**

Substrate:	MDF	
Primer:	<b>LVT555 – IDROPRIMER</b>	2÷3 layers
Sanding:	280-320 grain paper	
Topcoat:	LWT 61x – IDROLACK serie	1 layer

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**STORAGE:**

The product, stored in the original cans tightly closed, preferably at a temperature between 10°C and 30°C (50°F to 86°F), has a shelf life of 18 months.

**KEEP AWAY FROM FROST.**

**AVOID STORING THE PRODUCT IN TEMPERATURES BELOW 5°C/41°F.**

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## **SPECIAL WARNING**

### **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, oak, ash, chestnut, walnut, iroko, niangon, meranti, cedar, teak and hard exotic timbers in general, contain inhibiting substances, which tend to leak if you use varnishes reducible by water.

### **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.

For any possible questions which has not been tackled in this technical sheet, please contact our Technical Department.

All cycles and the products proposed here are only reliable when applied on substrates having stable dimensions.

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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.