

TECHNICAL DATA

PRODUCT CODE/NAME	<b>LWY 31x – IDROFLAT</b>
DESCRIPTION	NEUTRAL W.B. TOPCOAT FOR EXTERIOR
THINNER(S)	Water or LZD 786 for dilution ratio, see <i>PREPARATION OF THE PRODUCT</i>

**MAIN FIELD OF USE:**

Odorless waterborne topcoat, suitable for the painting of articles for exterior, as windows, fixtures, shutters and doors and however items defined 'dimensionally stable'.

This product is specifically indicated for the application with conventional airbrush.

**PROPERTIES:**

It is a top-coat with high elasticity, transparency and resistance to weather conditions and blocking. The presence of UV filter improves the resistance in exterior.

The painted support is soft to touch, resistant to scratch and will request low maintenance.

Easy to apply, and very good verticality. It does not contain biocide.

**CHEMICAL-PHYSICAL PROPERTIES:**

Specific Weight (at 20°C/68°F)	8,685 lb/USgal ± 0.100	VOCs ( % )	3.15 ÷ 3.45
Specific Weight (at 20°C/68°F)	1,040 g/l ± 10	VOCs ( lb./USgal)	0.283 ÷ 0.300
Solid Content % by Volume	37%	VOCs ( g / l )	34 ÷ 36
(Average theoretical value according with ISO 3233-3:2015)			
Solid Content % by Weight	39% ÷ 41%		
Viscosity DIN Ø 6 (at 20°C/68°F)	n.a.	Pot Life see notes	n.a.
Viscosity Brookfield (at 20°C/68°F)	17,000 cps ± 2,000	Shelf Life see notes	12 months

**PREPARATION OF THE PRODUCT:**

	by volume		by weight	
LWY 31x	10 parts	100%	10 parts	100%
Water or LZD 786	0.5-1 part	5-10%	0.5-1 part	5-10%

**AVAILABLE GLOSS LEVEL**

LWY 313 – 30 ± 2

LWY 315 – 50 ± 2

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**APPLICATION & OPERATIVE CONDITIONS:**

For optimal use, in accordance with our experience, we recommend applying the product using airbrush (conventional spray guns).

The product is ready for use; however, it can be diluted with water or LZD 786 at 5-10%

Recommended nozzles: 2.0 up to 3.0 mm

Pump pressure: 3 - 3.5 bar

**AMOUNT to APPLY:**

250 up to 300 wet microns (10 – 12 wet mils), required amount to ensure an excellent outdoor resistance

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**SUGGESTED CYCLES:**

a) Substrate:	Every kind of wood suitable for exterior use	
Stain:	LWW 2xx SERIE or LWW 8xx SERIE – IDROSIV (according with the wood)	
Sealer:	LWY100 - IDROVER	1 layer
Sanding:	220-240 grain paper	
Topcoat:	<b>LWY 31x - IDROFLAT</b>	1 layer
b) Substrate:	Every kind of wood suitable for exterior use	
Stain:	LWW 2xx SERIE or LWW 8xx SERIE – IDROSIV (according with the wood)	
Sanding:	280 grain paper or scotch-brite	
Sealer:	<b>LWY 31x - IDROFLAT</b>	1 layer
Drying:	2÷3 hours (no sanding)	
Topcoat:	<b>LWY 31x - IDROFLAT</b>	1 layer

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**DRYING-TIME** (at 20°C/68°F)

Dust-free	30-40 min.
Dry to touch	1.5÷2 hrs
Over coatable (as self-sealer)	4-6 hrs.
Thoroughly dry	24 hrs.

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

In any case, it is not advisable to apply the product at temperatures below 5°C (41°F).

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**NOTES:**

During the winter period, to improve the wettability, we recommend the reducing with water or LZD 786.

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.

For reducing: it is advisable to use preferably demineralized water.

The Shelf life refers to products preserved in original, sealed containers.

**KEEP AWAY FROM FROST.**

**DO NOT STORE THE PRODUCT AT TEMPERATURES BELOW 5°C (41°C).**

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TDs LWY 31x – 2018, March – revision NA01

**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.