



NUOVA S.I.V.A.M. S.p.A.

TECHNICAL DATA

PRODUCT CODE/NAME	<b>LWY 018 – 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 exterior substrates, as windows, fixtures, shutters and doors and however items defined 'dimensionally stable'.

**PROPERTIES:**

It is a "thick top-coat", with high elasticity, transparency and resistance to weather conditions and blocking. It can be used as self-sealer. 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)	8,518 lb/USgal ± 0.100	VOCs ( % )	4.15 ÷ 4.45
Specific Weight (at 20°C/68°F)	1,020 g/l ± 10	VOCs ( lb./USgal)	0.365 ÷ 0.399
Solid Content % by Volume	38.4%	VOCs ( g / l )	43.7 ÷ 46.8
(Average theoretical value according with ISO 3233-3:2015)			
Solid Content % by Weight	38% ÷ 39%		
Viscosity DIN Ø 6 (at 20°C/68°F)	n.a.	Pot Life see notes	n.a.
Viscosity Brookfield (at 20°C/68°F)	30,000 cps ± 2,000	Shelf Life see notes	12 months

**PREPARATION OF THE PRODUCT:**

	by volume		by weight	
LWY 018	10 parts	100%	10 parts	100%
Water (#) or LZD 786	0,5-1 part	5-10%	1 part	5-10%

**GLOSS** (Glossmeter 60° angle) = 80 ± 2

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**APPLICATION & OPERATIVE CONDITIONS:**

For optimal use, in accordance with our experience, we recommend applying the product using airless or air mix pumps, with 1/35 compression ratio.

- Recommended nozzles:  
009-011 for windows and frames (diameter 2.3 to 2.8 mm)  
013-015 for blinds and shutters (diameter 3.3 to 3.8 mm)
- Pump pressure: 3.5-4.5 bar

With conventional spray gun, it is recommended the dilution at 10% with water (#) or LZD786

- Recommended nozzles:  
25-30 (diameter 2.5 to 3.0 mm)

**QUANTITIES:**

<b>as sealer (wet mils)</b>	5 ÷ 6
<b>as topcoat (wet mils)</b>	10 ÷ 12

**DILUTION:** 10%

**SUGGESTED CYCLES:**

a) Substrate:	Coniferous or broadleaf-hardwood - solid timber	
Stain:	LWW2xx SERIE or LWW8xx SERIE - IDROSIV	
Sealer:	LWY100 - IDROVER	1 layer
Sanding:	220-240 grain paper	
Topcoat:	<b>LWY018 - IDROFLAT</b>	1 layer
b) Substrate:	Coniferous or broadleaf-hardwood - solid timber	
Stain:	LWW2xx SERIE or LWW8xx SERIE - IDROSIV	
Sealer:	<b>LWY013 - IDROFLAT</b>	1 layer
Drying:	2÷3 hours (no sanding)	
Topcoat:	<b>LWY018 - IDROFLAT</b>	1 layer

**DRYING-TIME** (at 20°C/68°F)

Dust-free	30 min.
Dry to touch	1.5÷2 hrs
Stackable	n.a.
Dry to sand	8-12 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, it is optionally possible to dilute with water (#) or LZD786 at 10% or use a pre-heater with a temperature between 35-45 ° C (95-113°F).

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.

(#): 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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**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.