

TECHNICAL DATA

PRODUCT CODE/NAME	LDA 020 - INSULATING
DESCRIPTION	INSULATING for DARK WOOD
HARDENER(S)	LCB 173 at 100%
THINNER(S)	LZD 096, LZD083 or LZD 442 for dilution ratio, see <i>PREPARATION OF THE PRODUCT</i>

MAIN FIELD OF USE:

In general, for all exotic timbers and dark woods, veneer or solid wood (as rosewood, mahogany, walnut), particularly rich of tannin and/or resin. Ideal as isolator in polyester unsaturated finishing cycles. Not suggested for MDF. LDA 020 can be used also for exterior application.

PROPERTIES:

Very good wettability and pore penetration, together with excellent insulating power. On substrates with deep pore it helps to minimize silver-pore effect.

CHEMICAL-PHYSICAL PROPERTIES:

Specific Weight (at 20°C/68°F)	7.432 lb/USgal ±0. 10	VOCs (%)	77.9 ÷ 79.9
Specific Weight (at 20°C/68°F)	890 g/l ± 10	VOCs (lb./USgal)	5.77 ÷ 5.94
Solid Content % by Volume	14.53%	VOCs (g / l)	692 ÷ 712
(Average theoretical value according with ISO 3233-3:2015)			
Solid Content % by Weight	19% ÷ 21%		
Viscosity DIN Ø 2 (at 20°C/68°F)	45" ± 3"	Pot Life see notes	3 - 4 hrs.
		Shelf Life see notes	12 months

PREPARATION OF THE PRODUCT:

	by volume		by weight	
LDA 020	10 parts	100%	10 parts	100%
Hardener LCB 173	10 parts	100%	10 parts	100%
Thinner LZD xxx	1-3 parts	10-30%	1-3 parts	10-30%

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APPLICATION:	AIRMIX	AIRLESS
QUANTITIES (<u>ready to use</u>):		
1st coat (wet mils)	4 ÷ 5	4 ÷ 5
2nd coats (wet mils)	4 ÷ 5	4 ÷ 5
Maximum amount to apply	12 wet mils	12 wet mils
DILUTION:	10-30%	10-30%

SUGGESTED CYCLES:

a) Substrate:	Exotic timbers, coniferous, different essences	
Stain:	LAM range MAKOLOR	
Insulator:	LDA 020 INSULATING	1÷2 layers
Sealer:	LPA 127 HIPOFOND clear PE	1÷2 layers
Sanding:	280-320 grain paper	
Topcoat:	LFA xxx or LGA xxx series SIVOSAT or SIVOGLOSS or LRA 309 REFLET PE Direct Gloss	1 layer 1 layer
b) Substrate:	Exotic timbers, coniferous, different essences	
Insulator:	LDA 020 INSULATING	1÷2 layers
PE wax type:	LPA 20X HIPOLAIN	2÷4 layers
Polishing:	With abrasive pastes and polish (after complete drying)	

DRYING-TIME (at 20°C/68°F)

Dust-free	15-20 min.
Dry to touch	30-35 min.
Time between coats (without sanding)	40-180 min.
Dry to sand (eventually)	4 hrs.
Over coatable with PE	4 hrs.
Thoroughly dry	> 8 hrs

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REMARK:

Due to the possible differences in the various veneers, it is always better to test practically the insulating power with preliminary tests. Usually for woods, that are particularly rich of resins, it is necessary to apply at least two coats of insulator.

In order not to compromise the adhesion of the polyester, it is recommendable to respect the time of over imposition mentioned in this data sheet. If the condition of application does not allow, it is better to slightly sand the insulator and eventually to apply another coat before proceeding with the polyester.

Reducing is very important to assure right penetration. Using as thinner LZD 442, it is possible to improve wetting and penetration on hard and dark woods (in general broadleaf exotic timbers).

We suggest to use the isolator within one year from its production.

STORAGE: Keep in a fresh and well-ventilated place; preferably not exceed 30°C/86°F.

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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.