

TECHNICAL DATA

PRODUCT CODE/NAME	LFE 42x – SIVOSAT SERIE
DESCRIPTION	CLEAR ACRYLIC TOPCOATS
HARDENER(S)	LCB 057 at 10% or LCB 047 at 20%
THINNER(S)	LZD 096, LZD 083, or LZD 091 for dilution ratio, see <i>PREPARATION OF THE PRODUCT</i>

MAIN FIELD OF USE:

Ideal for light woods and open grain effect - ash, oak, walnut, chestnut, maple, and beech; Wood substrates that have been chemically bleached and pre-dyed veneers.

For interior use: furniture, kitchen and bathroom cabinets, commercial and architectural millwork.

PROPERTIES:

LFE 42x is a series of 2K acrylic topcoats, with excellent elasticity and adhesion, with high surface hardness and abrasion resistance, fast drying; very good transparency and yellowing resistance.

GLOSS LEVELS AVAILABLE:

LFE 420	80 ± 3	LFE 421	65 ± 3	LFE 422	47 ± 2
LFE 423	32 ± 2	LFE 424	22 ± 2	LFE 425	15 ± 2
LFE 426	10 ± 2	LFE 427	5 ± 1	LFE 428	3 ± 1

CHEMICAL-PHYSICAL PROPERTIES:

Specific Weight (at 20°C/68°F)	7,850 lb/USgal ± 0.100	VOCs (lb./USgal)	5.43 ÷ 5.53
Specific Weight (at 20°C/68°F)	940 g/l ± 10	VOCs (g / l)	650 ÷ 662
Solid Content % by Weight	30% ± 1	VOCs (%)	69.2 ÷ 70.4
Solid Content % by Volume	22% ± 1		
(Average theoretical value according with ISO 2322-3:2015)		Pot Life see notes	> 6 hrs.
Viscosity DIN Ø 4 (at 20°C/68°F)	50" ± 2"	Shelf Life see notes	12 months

PREPARATION OF THE PRODUCT:

	by volume		by weight	
LFE 42x	10 parts	100%	10 parts	100%
Hardener LCB 057	1 part	10%	1 part	10%
Thinner LZD xxx	2-3 parts	20-30%	2-3 parts	20-30%

LFE 42x	10 parts	100%	10 parts	100%
Hardener LCB 047	2 parts	20%	2 parts	20%
Thinner LZD xxx	1-3 parts	10-30%	1-3 parts	10-30%

Follow TDs LFE 42x SERIE

APPLICATION:	AIRMIX SPRAY	AIRLESS SPRAY
QUANTITIES (ready to use):		
1st coat (wet mils)	4 ÷ 5	5 ÷ 6
Maximum amount to apply	7 wet mils	7 wet mils
DILUTION:	20-30%	10-25%

SUGGESTED CYCLES:

- a) Substrate: Ash, oak, chestnut, maple, beech. Various essences
 Stain: LAMxxx SERIE – MAKOLOR or LAWxxx SERIE - IDROTIN
 Sealer: LBExxx – SIVODUR Acrylic Clear Sealer 1÷2 layers
 Sanding: 280-320 grain paper
 Topcoat: **LFE 42x SERIE – SIVOSAT ACRYLIC** 1 layer
- b) Substrate: Ash, oak, chestnut, maple, beech. Various essences, also chemically bleached
 Sealer: LBExxx – SIVODUR Acrylic Clear Sealer 2÷3 layers
 Sanding: 280-320 grain paper
 Topcoat: **LFE 42x SERIE – SIVOSAT ACRYLIC** 1 layer

DRYING-TIME (at 20°C/68°F)

Dust-free	15 min.
Dry to touch	30 min.
Stackable	6-8 hrs.
Dry to sand	n.a.
Thoroughly dry	24 hrs.

NOTES:

For special production cycles, the products of the LFE 42x series, if properly diluted can also be used as first coat directly on raw wood; before being over-applied, you must make a good sanding to avoid any problems of adhesion between coats.

Using as thinner LZD 083 it is possible to improve flowing and wetting.

The Pot-life refers at the product thinned at 20% with LZD091 at 20°C/68°F.

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

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

TDs LFE 42x SERIE – 2018, October – revision NA04

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.