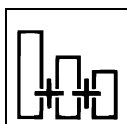




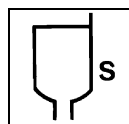
LS142 (29142) ISOLACK MATT

LS403 (29403) ISOLACK GLOSS



1000 ml +
250 ml +
250-300 ml

Pot life at 20° C:
6-8 h



18° FC 4
at 20° C



Ø 1,4 mm
3-5 Atm
HVLP:
Ø 1,4 mm
2-2,5 Atm
N° of coats: 2-3



Air drying at 20° C
Handling: 4-5 h
Through-drying: 24 h
Low baking at 60°C:
30 min.

DESCRIPTION

Two-pack polyurethane enamel for industrial finishes, available in different gloss levels.

USE

Suitable for machine-tools, metallic furniture, small metal parts, general industrial finishes.

CHARACTERISTICS

- Excellent appearance
- High solid content
- Uniform effect
- Weather resistance under the conditions mentioned in the TDS's notes

SUBSTRATE PREPARATION

It may be applied to the following primers/fillers:

- LS107 (29107) EPOXYPRIMER
- LS175 (29175) EPOFAN PRIMER R-EC
- LS100 (29100)1K FAST PRIMER
- LS105 (29105) HI-BUILD FILLER
- LS204 (29204) IS FILLER HBF
- LS106 (29106) ISOSEALER B/B
- LS109 (29109) ACRIPUR PRIMER

APPLICATION

Spray.

Mixing ratio:

LS142 ISOLACK MATT* (derived from binder 29142)
29342**-29343 (Industry) LECHSYS ISOLACK ESP HARDENER or
29360 INDURITORE NG1
00824 (Slow)-00825 (Standard) LECHSYS UNIVERSAL THINNERS

weight and volume

1000 parts
250 parts
250-300 parts

*The enamel part is the same for the product LS403

**We recommend the use of the hardener 29342 LECHSYS ISOLACK ESP HARDENER in cycles where a high outdoor resistance is required.

Pot life at 20 °C: 6-8 hours
Spray viscosity at 20 °C: 18" FC 4
Ø Air cap: 1.4 mm; HVLP 1.4 mm
Air pressure: 3 - 5 Atm; HVLP: 2-2.5 Atm
Number of coats: 2 – 3

Flash-off between coats: 10-15 min. This time is indicative and will vary depending on application, spraygun set up, film thickness and the hardeners and thinners used. As a general rule observe the partial matting of the paint film before applying the following coat.

Film thickness: 50 µ

Theoretical coverage 1 l mixture = 8.5 - 9 m² at 50 µ; 1 kg mixture = 7.5 - 8 m² at 50 µ

DIR 2004/42/CE: Special finishes IIB/e – VOC ready for use 840 g/l

This product ready for use contains at most 550 g/l VOC

DRYING TIME

Air drying at 20°C

Dust-free: 20-30 min.

Handling: 4-5 hours

Through-drying: 24 hours

Low bake at 60°C

30 min. (after 30 min. flash-off at room temperature)

The curing continues for the following 3-4 days.

NOTES

In the Lechsys System TDS (n° 0389) a table shows in detail the mixing ratios to obtain the product LS403 with different gloss levels, achievable by mixing together the matt enamel LS142 ISOLACK MATT and the gloss enamel LS144 ISOLACK.

The gloss level is dependent on colour, application and drying methods.

Considering the following:

- A thicker film reaches higher gloss levels, a thinner film reaches lower gloss levels.
- Low baking allows you to reach higher gloss levels.
- Colour variations for any formulation will differ between gloss and matt within tolerance limits.

To accelerate the product hardening in cold conditions, add 09167 SPEED-O-DRY (max 5%).

The product can be applied with electrostatic units.

In the Lechsys tinters range there are average resistance and lower priced tinters such as 29016-29023-29046-29044 normally used to formulate colours linked to the binder 29145.

To achieve higher colour durability without changing the binder, see recommended alternative tinters indicated in the Lechsys user handbook available on the Internet.

The use of UV Plus Additive 33333 (up to 5% in the topcoat) allows you to further improve resistance to sunlight.

MATT & GLOSS TABLE

The enamels of the Isolack family are available in different gloss levels:

MATT 3/7 GLOSS	SEMI MATT 7/15 GLOSS	SATIN MATT 15/25 GLOSS	SEMI GLOSS 30/45 GLOSS	GLOSS 50/75 GLOSS	HIGH GLOSS ≥80 GLOSS
			LS142	LS403	LS144

**TECHNICAL DATA SHEET N° 0371-GB
UPDATED 11/2019**

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