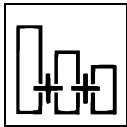
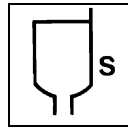


# LS141 (29141) ISOLACK PUR MATT LS402 (29402) ISOLACK PUR GLOSSY



1000 ml +  
250 ml +  
250-300 ml

Pot life at 20° C:  
3-4 h



17-18" FC4  
at 20° C



Ø 1,2-1,4 mm  
4 bar  
HVL P:  
Ø 1,2-1,4  
2-2,5 bar  
N° of coats: 2-3



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

## DESCRIPTION

Two-pack industrial polyurethane enamel with different gloss levels.

## USE

Solid colour finish for general industrial applications.

## CHARACTERISTICS

- Easy application
- Fast drying
- Weather resistance under the conditions mentioned in the TDS's observations

## SUBSTRATE PREPARATION

It may be applied to the following primers/fillers:

- EPOXYPRIMER
- 1K FAST PRIMER
- HI-BUILD FILLER
- EPOBUILD PRIMER
- IS FILLER HBF
- ISOSEALER B/B
- SYNTOPRIMER
- ACRIPUR PRIMER

## APPLICATION

By spray.

### Mixing ratio:

	weight and volume
LS141 ISOLACK PUR MATT* (derived from binder 29141)	1000 parts
29344** LECHSYS ISOLACK HARDENER or	250 parts
29345 LECHSYS ISOLACK INDUSTRY HARDENER	
00824(Slow)-00825 (Standard) LECHSYS UNIVERSAL THINNERS	250-300 parts

\*The enamel part is the same for the product LS402

\*\*We recommend the use of the hardener 29344 – LECHSYS ISOLACK HARDENER – in cycles where a high outdoor resistance is required.

Pot life at 20 °C: 4 hours (29344)  
3 hours (29345)

Spray viscosity at 20 °C: 17 - 18" FORD Cup 4

Ø Air cap: 1.2 - 1.4 mm; HVLP 1.2 - 1.4 mm

Air pressure: 4 bar; 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: 40 - 50 µ

Theoretical coverage: 1 l mixture = 7 m<sup>2</sup> at 50 µ

1 kg mixture = 6 m<sup>2</sup> at 50 µ

V.O.C. (on average) of the product ready for use: ~ 540 g/l

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## DRYING TIME

### Air drying at 20°C

Dust-free: 20 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.

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## OBSERVATIONS

In the Lechsys System TDS (n° 0389) a table shows in detail the mixing ratios to obtain the product LS402 with different gloss level, achievable by mixing together the matt enamel LS141 ISOLACK PUR MATT and the gloss enamel LS145 ISOLACK PUR.

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 ADDITIVE (max 5%).

In the Lechsys tinters range there are average resistance and lower prices 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.

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## MATT & GLOSS TABLE

The enamels of the Isolack PUR 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
		LS141		LS402	LS145

## TECHNICAL DATA SHEET N° 0398-GB UPDATED 02/2018

All information contained in this data sheet is the result of carefully controlled tests and is correct to the best of Lechler's knowledge at the time of issue. Since conditions of use are beyond the control of the manufacturer, information contained herein is without warranty, implied or otherwise, and final determination of the suitability of any information or material for the use contemplated and the manner of use is the sole responsibility of the user. FOR PROFESSIONAL USE ONLY.