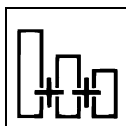
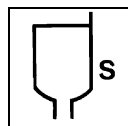


## LS170 (29170) EPODUR

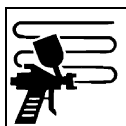


1000 ml +  
200 ml +  
200-250 ml

Pot life at 20° C :  
7 hours



20° DIN 4  
at 20° C



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



Air drying at 20° C  
Tack free- handling:  
5-6 h  
through-drying:  
48 h  
Low baking at 60° C:  
60 min.

### DESCRIPTION

Two-pack glossy epoxy-vinyl enamel.

### USE

In industrial application suitable for any substrates, where very good chemical resistance, but no weather resistance, is required.

### CHARACTERISTICS

- Very good hardness and adhesion.
- Excellent aggressive chemical agents resistance (mineral, vegetable and animal oils and fats, acids, alkalis, organic solvents in normal conditions, and low concentration).
- Good adhesion on glass (for furniture).
- Excellent brightness.
- The product does not contain any anticorrosive pigments, therefore it gives steel a protection due to barrier-effect.

### SUBSTRATE PREPARATION

**Metallic substrates:** apply one coat of EPOXY PRIMER. It is possible to apply directly EPODUR.

On **porous substrates** like **concrete** and **wood** apply a first impregnation coat of very diluted product.

**Glass:** degrease perfectly with 00617 PLASTIC CLEANER.

### APPLICATION

Spray application.

#### Mixing ratio:

LS170 EPODUR (derived from binder 29170)  
29376-29377 (Fast) LECHSYS EPODUR HARDENER  
00516 LECHSYS EPODUR THINNER

#### weight and volume

1000 parts  
200 parts  
200 - 250 parts

To obtain glass adhesion add 2% of 09830 GLASS ADHESION PROMOTER (see Technical Data Sheet n° 0544).

Pot life at 20 °C: 7 hours

Spray viscosity at 20 °C: 20" DIN 4

Ø Air cap: 1.4 mm; HVLP: 1.3 - 1.4 mm

Air pressure: 4 Atm; HVLP: 2 - 2.5 Atm

Number of coats: 2 - 3  
Film thickness: 50 - 60  $\mu$   
Theoretical coverage: 1 l mixture = 8.5 - 9 m<sup>2</sup> at 50  $\mu$   
1 kg mixture = 7.5 - 8.5 m<sup>2</sup> at 50  $\mu$   
V.O.C. of the mixture ready for use: ~ 550 g/l

Brushing application is possible. The mixing ratio of EPODUR + Hardener is the same.  
Limit the thinner quantity up to 5 - 10%.

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## **DRYING TIME**

### **Air drying at 20°C**

Dust-free: 30-40 min.  
Handling: 5 - 6 hours  
Through-drying: 48 hours

### **Low bake at 60°C:**

60 min. (after 30 min. flash-off)

The complete hardening keeps on in the following 3 - 4 days.  
Low baking at temperatures over 50°C can cause a slight yellowing to white and very light colours.

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## **OBSERVATIONS**

It is important to consider that the drying temperature must be over 15 - 18°C.  
At lower temperatures the drying time becomes too long and the cross-linking of the film remains incomplete with a reduced chemical resistance. In case of weather exposure (sun rays) EPODUR films (like all epoxy films) may be chalking and light colours may be yellowing.  
The product is usable with electrostatic units.

**TECHNICAL DATA SHEET N° 0377-GB**  
**UPDATED 08/2013**

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