DESCRIPTION

Poly Lak LE-IB-ED is a special topcoat with a very low styrene emission (**LE**) based on a pre-accelerated isophtalic unsaturated polyester resin in a brush viscosity (**IB**). The Topcoat is produced with durable pigments which have an excellent hiding power (**ED**) .

PRINCIPAL CHARACTERISTICS

* Thixotropic, reduces sagging on vertical surfaces;
* Pre-accelerated;
* Rapid curing;
* Excellent hiding power and filling properties;
* Results in a tack-free surface;
* Protective coating for reinforced polyester laminates such as interior parts of boats, exterior parts of storage tanks and silo’s, auto parts, floorings for trucks, etc.;
* Available in for brush application.

COLOURS AND GLOSS

YT 400 white, YT 431 dustgrey, RAL 7035, RAL 9003 – Silk gloss

BASIC PROPERTIES (AT 20˚C AND 50% r.H.)

Density : approx. 1,4 g/cm3 (depending on colour and type)

Solid content : approx. 100 % (volume)

Recommended d.f.t. : 300 - 400 µm (dry), depending on application

Dust dry after : 15 minutes

Full cure after : 2 hours

Recoating interval : min. 2 hours, see additional information

 max. no limit, provided clean and dry

H.D.T. (DIN53458) : approx. 65 ºC

Shelf life : separate components, stored cool and dry in original packaging, minimum 3 months

Flash point (DIN53213) : base component 34 ºC

 hardener component 52 ºC (MEK peroxide)

Spreading rate

At 300 µm (dry film) : approx. 2,4 m2/kg

At 350 µm (dry film) : approx. 2,1 m2/kg

At 400 µm (dry film) : approx. 1,8 m2/kg

The practical spreading rate depends on a number of variables, such as: shape and size of object to be painted, the condition and profile of the substrate, the method of application, climatologic conditions and skill of labour.

Substrate condition and temperature

Polyester laminate : clean and dry, in good condition, free from any contamination, loose particles and previous (synthetic) paints; sanded with gritpaper P60 – P80 and degreased with Double Coat Degreaser;

During application and curing a minimum temperature of 15 ºC is allowed. The temperature of the substrate should be minimum 3 ºC above dew point.

Instructions for use

Before use, mix base and hardener components thoroughly.

Mixing ratio : 100 base : 2 harder (by weight)
Do not prepare more material than can be applied within the pot life of the mixture.

Induction time : none

Pot life : brush version:

 10 minutes at 25 ºC

 15 minutes at 20 ºC

 20 minutes at 15 ºC

 The pot life depends also on colour.

ADDITIONAL INFORMATION

* Recoating Poly Lak LE-IB-ED

|  |  |  |  |
| --- | --- | --- | --- |
|  | 15 oC | 20  oC | 25 oC |
| Minimum, with Poly Lak LE-IB-ED, after degreasing and sanding with P60-P80 | 2 hours | 2 hours | 2 hours |
| Minimum, with epoxy or Double Coat, after degreasing and sanding with gritpaper P60-P80 | 24 hours | 24 hours | 24 hours |
| Maximum, with epoxy, Double Coat or Poly Lak LE-IB-ED, after degreasing and sanding with gritpaper P80 | no limit | no limit | no limit |

The minimum and maximum interval depend also on colour. Poly Lak LE-IB-ED contains additives to ensure tack-free curing. These additives might reduce adhesion of subsequent layers. When more layers of Poly Lak LE-IB-ED are required, we recommend to replace the first layer with a gelcoat, e.g. Poltix Gelcoat.

* Application Poly Lak LE-IB-ED
* For brush application use brushes with unpainted handles.
* Apply Poly Lak LE-IB-ED evenly, without runs or sags, avoiding holidays and thin spots. Apply Poly Lak LE-IB-EDin one coat, do not return too often with brush or roller in already applied, wet Poly Lak LE-IB-ED. This could result in a tacky surface after curing.
* Do not apply Poly Lak LE-IB-ED to a warm surface or at higher temperatures. A too low temperature will result in longer curing. Application to a warm surface or at higher temperatures will distort film formation and could result in a tacky surface after curing.
* Do not apply Poly Lak LE-IB-ED on top of previous (synthetic) coatings. This will distort curing resulting in a tacky, uncured film.
* Pre-accelerated
Poly Lak LE-IB-ED is pre-accelerated with a combination of special accelerators and promoters
* Chemical resistance
The resistance against chemicals (such as used in swimming pools) may vary depending on colour. Please contact our sales department for further information.
* Hardener
As hardener/catalyst we recommend Butanox M50 (Akzo Nobel) or Peroxan ME50L (Pergan).
After mixing the base component with the harder the temperature of the mixture will increase.
* rapidly due to an exothermic reaction. Do not prepare more material than can be applied within the pot life of the mixture.

SAFETY INFORMATION

This product contains solvents. Take all necessary safety measurements when using this product and arrange proper ventilation and safety equipment for all personnel. For details on safety and health see our material safety data sheet.

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Disclaimer

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