LBYH 150

Technical Data Sheet

2K WATER-BASED POLYURETHANE TOPCOAT

Approvals and conformities

THALES	16262669-024 - Ind B, 61921083-024 - Ind A, 16262667-024 - Ind B, 64003582-024 - Ind /

Description:
LBYH 150 is a two-part water-based polyurethane topcoat.

Benefits:

- Excellent chemical resistance.
- Excellent weathering performance.

USES

Primer: PCEH 201 Grey / SOCOGLAZE PRIMER WB 410 / SOCOGLAZE PRIMER WB 411

Substrate	Preparation
Steel	Primer
Stainless steel	Primer
Aluminium	Primer
Composite	Primer

Please, consult us regarding SOCOMORE solutions for:
- Surface preparation (SOCOCLEAN, DIESTONE & DS ranges),
- Functionalized coatings (SOCOGLAZE, AEROGLAZE, CHEMGLAZE, PRIAM, LBYH ranges),
- Surface treatment (SOCOCLEAN & SOCOSURF ranges),
- Adhesion promotion (SOCOGEL & PREKOTE ranges)
- Chemical stripping (SOCOSTRIP & SPC ranges).
- Non destructive testing products & services (BABBCO range)

DIRECTIONS FOR USE

Two Component Product

Name	Pot-Life (hh:mm)
LBYH 150 PART B	02:00

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Preparation & Application

During application, the following requirements must be adhered to:

- 15°C < T° < 35°C
- 35% < Hy < 70%
- Airflow: 0.5 m/s on average

LBYH 150 is a waterborne paint sensitive to the conditions mentioned above during application, but also during desolvation (flash-off before stoving). The level of gloss can be different according to the shade, the support, the application and drying conditions, the thickness. It is recommended to carry out a test beforehand in order to validate the optimal conditions.

1 - PNEUMATIC SPRAYING - MATT and SEMI-GLOSS PRODUCTS: *Viscosity AFNOR CUP 6: 50s +/- 10*		Weight	Tol +/-
Base	LBYH 150 PART A - **MATT and SEMI-GLOSS**	85	
Hardener	LBYH 150 PART B	15	
Thinner	DL 1511	10	5

Table: Application method determines thinner ratio. Viscosity measurements provided are intended to be guidelines only and not parameters for quality control. Verified information is provided in certification documents, which are available from the technical department on request.

2 - PNEUMATIC SPRAYING - GLOSS PRODUCTS - *Viscosity AFNOR CUP 6: 50s +/- 10*		Weight	Tol +/-
Base	LBYH 150 PART A - **GLOSS**	85	
Hardener	LBYH 150 PART B	15	
Thinner	DL 715	10	5

Table: Application method determines thinner ratio. Viscosity measurements provided are intended to be guidelines only and not parameters for quality control. Verified information is provided in certification documents, which are available from the technical department on request.

Mixing and viscosity measurement:

- Stir the base (part A).
- Add the hardener (part B) into the base (part A).
- Mix vigorously for at least 2 minutes.
- Add 10% (in weight) of thinner to the A+B mixture, and mix for 2 minutes.
- Perform a viscosity measurement: CA 6 Cup.
- If the viscosity conforms to 40-60s for CA 6, the product can be applied.
- If the viscosity doesn't conform, adjust the viscosity with an extra 5% thinner (max).
- If the viscosity now conforms to 40-60s for CA6 Cup, the product can be applied.
- Do not dilute more than 15%.

Application Process

Apply 50 - 60 µm of product in 2 layers of 25-30 µm with an interlayer flash-off time of 15 minutes.
If you need to apply more than 60 µm, use a 3 layer application process with a 15 minute interlayer flash-off time and force dry at 60°C.

AIR DRYING	
Characteristic	**Value**
Dust dry	01:00 hour
Touch dry	06:00 hours
Hard dry	24:00 hours
Overcoating	/

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FORCED DRYING		
Characteristic	**Value**	**Value**
Flash off	00:30 hour	00:30 hour
Force dry	02:00 hours	01:00 hour
Temperature	60°C	80°C

TECHNICAL CHARACTERISTICS

Technical Data - Product Ready For Use	
Characteristic	**Value**
Weight solids	38% +/-5
Volume solids	32% +/-5
Recommended wet film thickness	150 µm +/-10
Recommended dry film thickness	55 µm +/-5
Theoretical coverage	170 g/m2 for 50 µm
Shade	All colors
Appearance	All gloss
Gloss	Matt: < 10UB ; Semi-gloss: 20-45UB or 45-70UB; Gloss: > 70UB

Data for mixture n°1

PRECAUTIONS FOR USE AND STORAGE

Storage
Can be stored for 12 months between 5°C and 35°C in original, unopened containers. **KEEP FROM FREEZING.**

Shelf life after opening:

- PART A: 3 months
- PART B: 1 month

For more information regarding the danger of the product, please consult the product safety data sheet according to local regulation.

For professional use only.

This technical data sheet replaces and cancels the previous one.

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