

## LABONAL PU HP HARDENER (**GOLD LINE**) *For Professional Use Only*

### TECHNICAL DATA SHEET

#### PRODUCT DESCRIPTION:

LABONAL PU HP HARDENER is a highly concentrated and specially designed fast hardener on premium aliphatic poly isocyanate resin.

#### DESIGNED USAGE:

Ideally suitable for exterior use in Automotive, Industrial and Wood segments.

#### FEATURES:

- Excellent speed of drying
- Excellent UV protection

#### PROPERTIES:

Features	Attribute
Appearance	Smooth and Free Flowing
Color	Clear Transparent

*Note:- For practical coverage: material usage depends on many factors, i.e. shape and size of the object, roughness of the surface, application technique, pressure and application circumstances.*

#### MIXING RATIO (v/v):

Can be used with 2K PU CLEARCOATS, 2K PU TOPCOATS, and 2K PU PRIMERS as per the recommended ratios of different LABONAL brand products.

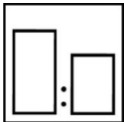
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### PRODUCT PREPARATION/APPLICATION GUIDE:



It is strongly recommended to use appropriate personal protection equipment (PPE) during application to avoid respiratory, skin and eye irritation.

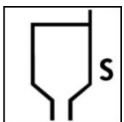


Eg: LABONAL Clear Coat 2:1	100 parts
LABONAL HP Hardener	50 parts
PU Thinner	20-40 parts

*\*Note: Follow ratios of each LABON product (Clearcoat/Topcoat/Primer)*



Pot life @ 20°C: 3 hours  
 @ 30°C: 2 hours  
 @ 40°C: 1 hours



ISO CUP 4mm:  
 @ 20°C 16–18 sec  
 @ 30°C 14–16 sec



Gravity Feed:  
 Nozzle size: 1.3–1.4 mm  
 Air Pressure: 2 bar  
 (28 psi at spray gun air inlet)

Suction Feed:  
 Nozzle size: 1.5–1.7 mm  
 Air Pressure: 2 bar (28 psi)

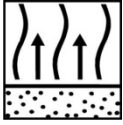
HVLP:  
 Nozzle size: 1.5–1.7 mm  
 Air Pressure: 2 bar (10 psi at the air cap)



Apply 2 medium coats

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5–7 minutes flash off between coats and 10–12 minutes before oven baking



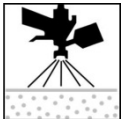
Air Dry @30°C–12 hours  
Oven Bake @60°C–30 min (EMT)



Shortwave IR:  
Half power: 5 min  
Full power: 15–20 min



DFT after 2 coats: 45–50 microns



Clearcoat/Topcoat/Primer can be recoated within 24 hours, without intermediate sanding/scuffing



Clean spray gun after use with a suitable solvent based cleaner

### REMARKS:

- Material should always be used above 25°C before application.
- In cold conditions, it is suggested to pre-heat the metal surfaces up to 25°C.
- After using the hardener, ensure the cans are re-sealed as tightly as possible since the products are sensitive to moisture in the atmosphere, and hence may lose its reactivity thereby leading to

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soft film, adhesion issues, and low gloss.

- Excess mixed material, if not consumed, should be disposed-off as per local rules and regulations. It should not be added to the original container, or re-packed for further use.

### SAFETY, STORAGE AND ENVIRONMENT:

Respiratory Protection:	Use suitable respiratory protection. Labon Paints always recommends fresh Air supply masks. <i>* For further details please refer MSDS of product.</i>
Product Storage:	Minimum Storage Temperature: 5°C Maximum Storage Temperature: 40°C
Shelf Life	9 months in original sealed containers.

### Packaging Size:

LABONAL PU HP Hardener: 500 ml and 1 Litre

#### DISCLAIMER

*The information in this data sheet is given to the best of our knowledge based on extensive laboratory testing, trials, and practical experience. However, as the product may be used under conditions beyond our control, we can only guarantee the quality of the product itself. We also reserve the right to change the given data without prior notice. Minor product specifications may be updated without prior notice in order to comply with local requirements, rules, and regulations.*

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