

## TECHNICAL DATA SHEET

Updating Date: 16/02/2024

Version: 5

(\*\*)Indicates changes from the previous version

### SECTION 1. IDENTIFICATION OF THE PRODUCT

**1.1 Product identifier:** **Barniz UHS 2K 2:1- 5Lt. (VOC)**

Other forms of identification: **010026**

**1.2 Details of the supplier of the technical data sheet: (See FDT headline).**

**1.3 Emergency telephone:** 93 860 49 23 (8:00 - 17:30).

### SECTION 2. DESCRIPTION

Ultra-high solids clearcoat specially developed for its application in automotive refinish.

It stands out for its easy application, fast drying, excellent gloss, hardness, extensibility, enhancing of metallic effect and resistance to UV rays, as well as very good Car-Wash machines' abrasion resistance.

### SECTION 3. TECHNICAL DATA

Properties	Values and units
Type of product:	PUR
Colour:	Colourless
Density:	0,98 ± 0,01
Viscosity at 20°C:	22 - 25 sec. Ford nº 4
% Non-volatile matter (wt/vol):	58% ± 2 weight; 50% ± 2 vol. (Mixture with catalyst)
V.O.C. (g/l):	<420 gr/l (Ready for use) (2004/42/CE) IIB (D) (420)

### SECTION 4. SURFACE PREPARATION

Spray directly over the basecoat (both solvent and water-based) after at least 30 min. from its application.

When using water-based undercoats it is very important to ensure that the water has completely evaporated before applying the clearcoat.

Using a dust cloth is recommended before applying it.

## SECTION 5. APPLICATION METHOD

Versatile process for any type of repair job, from a partial repair one to the complete repainting of the car, standing out for its high quality, brightness and sharpness of the finishes.

For complete car painting 1.3-1.4 mm fluid peak is recommended.

Apply two crossed coats with an interval of 5 to 10 min. to allow flash-off. Depending on the painting conditions, great results are also possible by applying a lighter plus a full coat.

### Hardeners:

- 010054: Hardener UHS slow
- 010046/010050: Hardener UHS medium
- 010045/010051: Hardener UHS fast – only for partial repairs

### Temperature:

>30°C  
20-30°C  
15-25°C



### Mixing ratio:

Volume: 2:1  
Weight: 100:52



### Pot-life:

010054/010046/010050: 1-1,5h  
010045/010051: 30'



### Application viscosity: 18-20"

% Dilution: 0-5%



### Gravity gun: 1,3-1-4 mm

Application pressure: 2-2,5 bar



### Number of coats: 1,5-2 coats

Total thickness: 50-60 µm



### Flash time:

5-10' entre manos  
20' antes de hornear



### Drying time:

	010054	010046/010050	010045/010051
20°C:	4h	3'5h	2,5h
IR Medium wave:	20'	20'	15'
60°C:	30'	30'	20'



### Polishing:

	010054	010046/010050	010045/010051
20°C:	8h	7'5h	6h
IR Medium wave:	1h	1h	1h
60°C:	1h	1h	1h

### Mixing ratios:

	Clear coat	Hardener	Thinner
100 gr	66	34	5
250 gr	165	85	12.5
500 gr	330	170	25
1000gr	660	340	50

## SECTION 6. DRY FILM CHARACTERISTICS

<b>Theoretical coverage (m<sup>2</sup>/l):</b>	9-10 (50 µm).
<b>Glossy 60°-60°:</b>	100%.
<b>Repaintability:</b>	24h.

## SECTION 7. STORAGE AND SAFETY

- The use of appropriate personal protective equipment is recommended during application, to prevent the irritation of the respiratory tract, skin and eyes.
- For professional use only.
- Keep in a tightly covered container, in a dry and ventilated place, avoiding direct exposure to sunlight.
- Temperature above 5°C is recommended, between 15 and 30°C optimal.
- Can life: At least 2 years since manufacturing date in adequate storing conditions.

The technical information is based on our experience. We guarantee the quality of the product; however, as the conditions of use are not under our control, we cannot assume any responsibility for the results obtained.