

TECHNICAL DATA SHEET

Updating Date: 16/02/2024

Version: 4

(**) Indicates changes from the previous version

SECTION 1. IDENTIFICATION OF THE PRODUCT

1.1 Product identifier: Acrylic Clear Coat HS 2K Anti-scratch 2:1 5L

Other forms of identification: 010002

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

Acrylic two-component clear coat designed to repair and refinish vehicles with bi-coat systems.

It stands out for its excellent resistance to scratches (simulation test "Car Wash") and gasoline, easy application and good performance outdoors.

SECTION 3. TECHNICAL DATA

Properties	Values and units
Type of product:	Acrylic polyurethane.
Colour:	Colourless.
Density:	0,99 ± 0,02.
Viscosity at 20°C:	35 seg. ± 5 Ford ø4.
% Non-volatile matter (wt/vol):	46%±2 weight; 39%±2 vol. (mixed with hardener).
V.O.C. (g/l):	<840 (2004/42/CE) IIB (E) (840).

SECTION 4. SURFACE PREPARATION

It is applied directly on the basecoat (both solvent and water based) at least 30 minutes after the application of the basecoat.

When using water-based primers, it is very important to make sure that the water has evaporated completely before applying the clearcoat, respecting the recoating times indicated by the manufacturer.

For direct painting sanding with 600 or 800 grain is recommended. The use of dust cloths is recommended before applying the varnish.

SECTION 5. APPLICATION METHOD

Apply 2 cross coats at 5 to 10-minutes intervals, to allow solvents to evaporate.

Hardener:

- 010003/010008 Hardener HS Medium
- 010004 Hardener HS Fast
- 010005 Hardener HS Slow

Temperature:

20°C-30°C

15°C and 25°C

>30°C (and/or for large surfaces)



Mixing ratio:

Volume: 2:1.

Weight: 100:50



Pot-life:

010003/010008/010005: 3h

010004: 1-1,5h



Application viscosity: 18-20"

% Dilution: 5-10%.



Gravity Gun: 1,2 - 1,4 mm

Application pressure: 2-2,5 bar.



Number of coats: 2 coats

Total thickness: 50-60 µm



Flash time:

5-10' between coats

10-15' before baking



Drying time:

20°C: 3h

IR Medium wave: 12-15'

60°C: 30'

010004

2-2,5h

10-12'

20'



Polishing:

20°C: After drying for 24h.

IR Medium wave: 1h.

60°C: 1h.

Mixing ratios:

	Clearcoat	Hardener	Solvent
100 gr	60	30	10
250 gr	150	75	25
500 gr	300	150	50
1000 gr	600	300	100

SECTION 6. DRY FILM CHARACTERISTICS

Theoretical coverage (m²/l):	8-9 (50 µm).
Glossy 60°-60°:	100%.
Repaintability:	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.