

## TECHNICAL DATASHEET

# CLEARCOAT 2K HS PLUS

### PRODUCT DESCRIPTION

Premium quality high solids clear coat specifically formulated to give optimum gloss and durability with outstanding performance. Clearcoat 2K HS PLUS has excellent UV and weathering resistance and non-yellowing properties. Its high hardness makes it ideal as protective finish for automotive refinishing system.

### PRODUCT CHARACTERISTICS

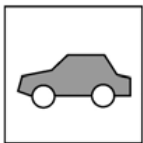
- 1- Superior high gloss
- 2- Excellent adhesion
- 3- Excellent UV resistance and non-yellowing properties
- 4- Excellent mechanical and high chemical resistance
- 5- Outstanding hardness

### RECOMMENDED USES

High performance clearcoat ideal as a protective coating for basecoat systems.  
It provides excellent hardness as well as chemical, mechanical and weathering resistance to the paint system.

### SURFACE PREPARATION

All surfaces should be clean, dry and free from loose and flaking material, curing compounds, dirt, oil and grease.



### TECHNICAL CHARACTERISTICS

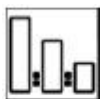
**Color:** clear

**Density:** 1- 1.05 Kg/l

**Solids content:** 55-60%

**Flash point:** Closed cup 30°C

**Spreading rate:** 9-10 m<sup>2</sup>/L at a film thickness of 50 microns.

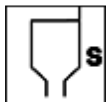


**Mixing Ratio:** 2:1 (Base: Catalyst)

**Thinning:** use thinner 2K to reach optimal spraying viscosity (up to 25%)

## Hardeners:

- Hardener Slow
- Hardener Medium
- Hardener Fast



**Spraying Viscosity:** 18 - 20 seconds ISO 4 cups @ 25°C



**Pot life:** 2-4 hours at 25°C depending on the hardener used

**Shelf Life:** 36 months in unopened container



**Number of spray coats:** 2 coats

**Film thickness:** 50- 60 microns



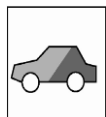
**Drying time:** @ 25°C

Dust-free 30min-1 hour (depending on the catalyst used)

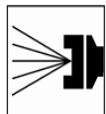
Ready for assembly after 5 hours

Fully cured after 24 hours

@60°C 15-30 min



**Recoating:** After full curing or after the specified drying times + cooling.



**HVLP gravity-feed spraygun**

**Airless**

**Suction feed**

**Gravity feed**

**Nozzle diameter (mm)**

1.3- 1.5

0.007-0.009

1.4- 1.6

1.3-1.5

**Spraying pressure**

160-200 bar

3.5- 4.5 bar

3.5-4.5 bar



**Cleanup:** Clean spray equipment as soon as possible with Thinner

## CAUTION

Flammable liquid. Keep away from flame or high heat.

Avoid inhalation of spray mist and arrange for adequate spraying precautions especially in closed areas.

## PACKING

In cylindrical tin containers of the following capacities:

- 1 Quart = 0.946 L
- 1 US gallon = 3.78 L

Each container is supplied with its appropriate hardener.

## STORAGE

Avoid frost & excessive heat.

## SAFETY AND HANDLING

For safety precautions, please refer to Material Safety Data sheet and wear personal protective equipment when using this product.

The technical information contained in this Technical Data Sheet is to be understood as advice only and not binding in any respect.

All details about working with our products should be adapted to prevailing local conditions and materials used.