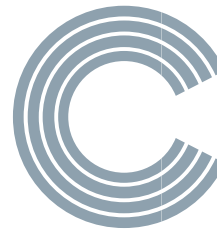


BESAGLASS HS

2K HS “Anti-scratch” Clearcoat



DESCRIPTION

2-component clearcoat designed to repair and refinishing vehicles with bi-coat systems. It stands out for its excellent resistance to scratching (Car Wash simulation test) and petrol, easy application and good outdoor performance.

Also recommended to repair polycarbonate headlights, allowing their recovery and original appearance. Increases resistance to further damage.

[See the Headlight Repair Process brochure](#)

HARDENERS

BESAGLASS HS has a range of hardeners to achieve an optimal application both in the complete vehicle and in partial repairs (spot repair), covering the whole range of working temperatures.

Hardener	Temperature
E-225 Slow	>30°C
E-224 Standard	20-30°C
E-202 Fast	15-25°C

SURFACE PREPARATION

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

When using waterborne basecoats, it is very important to ensure that the water evaporates completely before the clearcoat is applied.

For application on polycarbonate headlights, pre-sand with P800 sandpaper and if necessary with P600. Degrease with plastic cleaning degreaser URKISOL 94.

[See the Headlight Repair Process brochure](#)

The use of BESA tack cloths is recommended before applying the clearcoat.

USE

Apply 2 cross coats at 5 to 10-minutes intervals, to allow solvents to evaporate.
 For headlight applications, follow the BESA High Resistance [Headlight Repair Process](#).

APPLICATION

	SLOW E-225	STANDARD E-224	FAST E-202
Mixing ratio Volume Weight	2:1 V 100:50 P		
Pot-life	3h	1-1,5h	
Application viscosity Dilution %	18-20" URKISOL 8229 URKISOL 3700 5-10%		
Gravity gun Application pressure	1.2-1.4 mm 2-2.5 bar		
Number of coats Total thickness	2 coats 50-60 µm		
Flash time	5-10' between coats 10 -15' before baking		
Drying Time 20°C IR Medium wave 60°C	3h 12-15' 30'	2-2.5h 10-12' 20'	
Polishing 20°C IR Medium wave 60°C	After drying for 24 h 1h 1h		

MIXING RATIOS

	100 g	250 g	500 g	1000 g
BESAGLASS HS	60	150	300	600
HARDENER	30	75	150	300
THINNER (maximum)	10	25	50	100

By mixing (by weight) with BESAGLASS HS MATE clearcoat a range of intermediate glosses can be achieved, with a hardener ratio of 2:1 vol.

In order to achieve the glosses shown in the following chart, it is very important to homogenise all the products before mixing them together and the recommended thickness should be between 40-50 my. Thickness below or above these or the use of hardeners other than E-224, may alter the percentages of gloss shown in the chart.

BESAGLASS HS MATE	90	85	80	70	60	40	20
BESAGLASS HS ANTISCRATCH	10	15	20	30	40	60	80
GLOSS 60°- 60°	20-30	30-40	50-60	70-80	80-85	85-90	95-100

To keep the matt effect of the clearcoat, avoid using abrasive cleaners. Polishing of the clearcoat is not recommended as it would cause an increase in gloss with respect to the rest of the vehicle.

SAFETY INSTRUCTIONS

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.

STORAGE

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.

VOC

The VOC content of BESAGLASS HS is a maximum of 840 g/l, in compliance with European Directive 2004/42/EC IIB(E) (840) <840 g/l.

The information contained in this Technical Specification Sheet is based on the knowledge and experience of the BESA technical department, and with it it's intended to advice and inform, being the responsibility of the user to take the necessary measures to guarantee the intended purpose of the product. **FOR PROFESSIONAL USE ONLY.**