

BESAGLASS UHS

2K UHS Clearcoat



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.

HARDENERS

The BESAGLASS UHS clearcoat has a complete range of hardeners to achieve optimum application both for overall and partial repairs (Spot Repair), covering the entire scope of working temperatures.

Hardener	Temperature
E-245 Slow	>30°C
E-243 Standard	20-30°C
E-244 Fast	15-25°C
E-247 Extra-Fast	10-20°C

SURFACE PREPARATION

Sprayed 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.

The use of BESA Tack Cloths is recommended before applying it.

COMPLETE VEHICLE PROCESS

USE

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.

APPLICATION

	SLOW E-245	STANDARD E-243
Mixing ratio Volume Weight	2:1 V 100:52 P	2:1 V 100:52 P
Pot-life	1-1.5h	1-1.5h
Application viscosity Dilution %	18-20" URKISOL 8229 URKISOL 3700 0-5%	
Gravity gun Application pressure	1.3 - 1.4 mm 2-2.5 bar	
Number of coats Total thickness	1,5-2 coats 50-60 µm	
Flash time	5-10' between coats 20' before accelerating drying	
Drying Time 20°C IR Medium wave 60°C	4h 20' 30'	3,5h 20' 30'
Polishing 20°C IR Medium wave 60°C	8h 1h 1h	7,5h 1h 1h

MIXING RATIOS

	100 g	250 g	500 g	1.000 g
BESAGLASS UHS	66	165	330	660
HARDENER	34	85	170	340
THINNER (maximum)	5	12.5	25	50

SPOT REPAIR PROCESS - PARTIAL REPAIR

USE

Process for partial repair - Spot Repair - in car repainting, optimizing productivity in the workshop.

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

After applying the BESAGLASS UHS clearcoat, the use of URKIBLEND spray is recommended in areas where it may be oversprayed, in order to achieve full integration of the applied clearcoat with the previous' film.

APPLICATION

	FAST E-244	EXTRA-FAST E-247
Mixing ratio Volume Weight	2:1 V 100:52 P	2:1 V 100:52 P
Pot-life	30'	20-30'
Application viscosity Dilution %	18-20" URKISOL 8229 URKISOL 3700 0-5%	
Gravity gun Application pressure	1.2-1.3 mm 2-2.5 bar	
Number of coats Total thickness	1.5-2 coats 50-60 µm	
Flash time	5-10' between coats 20' before accelerating drying	
Drying Time 20°C IR Medium wave 60°C	2,5 h 15' 20'	1,5 h 10-15' 15'
Polishing 20°C IR Medium wave 60°C	6 h 1 h 1 h	5 h 1 h 1 h

MIXING RATIOS

	100 g	250 g	500 g	1.000 g
BESAGLASS UHS	66	165	330	660
HARDENER	34	85	170	340
THINNER (maximum)	5	12.5	25	50

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 UHS is a maximum of 420 g/l, in compliance with European standard 2004/42/CE IIB(D) (420) <420 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.**
