Issue No: 040 2021/01 **Code:** 7076400000040

BESAGLASS HS MATE

2K HS Matt Clearcoat





DESCRIPTION

2K matt clearcoat designed to repair and refinish vehicles with two-coat systems. It stands out for its excellent resistance to scratching and petrol, its easy application, good outdoor performance and smooth finish.

Due to its formulation, it can be mixed with BESAGLASS HS "Anti Scratch" to achieve the required gloss level.

HARDENERS



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 two-coat basecoats (both solvent and water-based) after at least 30 minutes from applying the base coat.

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

It is very important that the surface is free of dirt as it is not possible to rectify after the clearcoat has been applied.

The use of BESA tack cloths is recommended before applying it.

USE



Homogenise perfectly before use.

Apply 2 cross coats at 5 to 10 minute intervals, to allow flash-off.

Note: If necessary, E-225 (slow) and E-202 (fast) can be used in the same mixing ratio, but the level of gloss can be altered.

APPLICATION



		STANDARD E-224		
	Mixing ratio Volume	2:1 V 100:50P		
	Pot-life	3h		
FORD n.º4	Application viscosity Dilution %	URKI SOL 8229 URKI SOL 3700 8-10%		
	Gravity Gun Application pressure	1.2-1.4 mm 2-2.5 bar		
	Number of coats Total thickness	2 coats 40-50 μm		
[/1/1/	Flash time	10-15' between coats		
	Drying Time 20°C IR Medium wave 60°C	3h 20' 30'		

The solvent must be allowed to evaporate completely between coats before baking to achieve a homogeneous final gloss.

MIXING RATIOS



	100 g	250 g	500g	1,000 g
BESA GLASS HS MATE	61.5	154	308	615
HARDENER	29.5	74	148	295
THINNER (maximum)	9	22	44	90

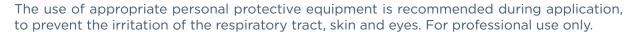
By mixing (by weight) with **BESAGLASS HS ANTI-SCRATCH,** a range of intermediate glosses can be achieved, using hardener in 2:1 ratio.

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 40-50Qm. Thickness below or above these, or the use of hardeners other than E-224, may alter these percentages.

BESA GLASS 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 matte effect of the clearcoat, avoid using abrasive cleaners. Polishing of the varnish is not recommended as it would cause an increase the gloss with respect to the rest of the vehicle.

SAFETY INSTRUCTIONS V



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 BESA**GLASS HS MATE** is a maximum of 840 g/l, in compliance with European regulation 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.**