

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
Application viscosity Dilution %	URKISOL 8229 URKISOL 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
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	500 g	1,000 g
BESAGLASS 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.

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 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

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 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.**