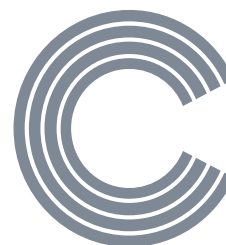


BESAGLASS MS 250

2:1 Clear Coat

2.1 VOC



DESCRIPTION

2K Polyurethane clear coat for car refinishing in bi-coat systems. Stands out for its scratch resistance, easy application and good leveling capabilities. Excellent resistance to UV and fuel.

Can be air dried or force dried.

HARDENERS

BESAGLASS MS 250 clear coat has a wide range of hardeners in order to achieve an optimal application on a complete car or during spot-repair, covering all temperature ranges.

| HARDENER | SPEED | TEMPERATURE | |
|----------|--------|-------------|-----------|
| | | °C | °F |
| E-256 | SLOW | >25°C | >77°F |
| E-257 | MEDIUM | 15 - 25°C | 59 - 77°F |
| E-258 | FAST | 10 - 15°C | 50-59°F |

For repairs that are greater than 3 panels, consider using the next slowest hardener.

SURFACE PREPARATION

Apply directly on the base coat (solvent or waterborne) at least 30 minutes after the application of the base coat.

In case of waterborne base coats, it is very important to make sure that all the water has been evaporated before the application of the clear coat.

The use of a BESA tack-cloth is recommended before the application of the clear coat.

APPLICATION INSTRUCTIONS ✓

Can be used for versatile processes for almost any job including complete car refinishing or spot repairs.

For a complete car the recommended nozzles are 1.3 - 1.4 mm.

Apply two cross coats with 10 - 15 minutes between coats to allow for the evaporation of thinners.

APPLICATION ✓

| | SLOW E-256 | MEDIUM E-257 | FAST E-256 |
|--|---|---------------------|---------------|
| Mixing Ratio Volume / Weight | 2:1 V 100:57 W | | |
| Pot-Life | 3 h. | | |
| Application Viscosity Dilution | 16 - 18" 0 - 5% URKI-SOL 913 - Slow URKI-SOL 912 - Medium URKI-SOL 911 - Fast | | |
| Gravity spray gun Application pressure | 1.3 - 1.4 mm. 1.5 - 2.5 bar (20 - 35 psi) | | |
| Nr of layers Thickness | 2 couches 50 - 60 µm (2 - 2.5 mils) | | |
| Thinner evaporation time | 10 - 15 min. between layers 20 min. before force dry | | |
| Drying time Dust-free 20°C (70°F) IR MEDIUM WAVE 60°C (140°F) | 3h. | 2.5h. 20' 20' | 2h. |
| SANDING 20°C IR MEDIUM 60°C (140°F) | After Drying 8 - 10h minimum 1h. after cool down 1h. after cool down | | |

MIXING TABLE ✓

| | 100 g. | 250 g. | 500 g. | 1000 g. |
|-------------------|--------|--------|--------|---------|
| BESA-GLASS MS 250 | 65 | 162 | 325 | 650 |
| HARDENER | 35 | 88 | 175 | 350 |

SAFETY AND HYGIENE

It is recommended to use the appropriate personal protective equipment during application to avoid irritation to the respirator tract, skin, or eye irritation. Only for professional use.

STORAGE

Keep covered in a dry and ventilated place, avoiding direct exposure to sunlight. We advise temperatures above 5°C (40°F), recommended between 15-30°C (60-86°F).

VOC

| Product (Part A) VOC Regulatory Data For USA (National Rule & Low VOC) / Canada | | |
|--|----------|----------|
| | g/l | Lbs/gal |
| Actual VOC | 184 | 1.5 |
| Regulatory VOC | 303 | 2.5 |
| Density | 1080 | 9.06 |
| | Weight % | Volume % |
| Total Solid Content | 41.8 | 40.2 |
| Total Volatile Content | 58.2 | 59.8 |
| Exempt Compound Content | 41.1 | 36.1 |

| E-256 Hardener (Part B) VOC Regulatory Data For USA (National Rule & Low VOC) / Canada | | |
|---|----------|----------|
| | g/l | Lbs/gal |
| Actual VOC | 52 | 0.4 |
| Regulatory VOC | 113 | 0.9 |
| Density | 1240 | 10.4 |
| | Weight % | Volume % |
| Total Solid Content | 37.8 | 40.2 |
| Total Volatile Content | 62.2 | 59.8 |
| Exempt Compound Content | 58 | 53.7 |

| E-257 Hardener (Part B) VOC Regulatory Data For USA (National Rule & Low VOC) / Canada | | |
|---|----------|----------|
| | g/l | Lbs/gal |
| Actual VOC | 49 | 0.4 |
| Regulatory VOC | 114 | 1.0 |
| Density | 1160 | 9.7 |
| | Weight % | Volume % |
| Total Solid Content | 37.8 | 37.4 |
| Total Volatile Content | 62.2 | 62.6 |
| Exempt Compound Content | 58 | 57 |

| E-258 Hardener (Part B) VOC Regulatory Data For USA (National Rule & Low VOC) / Canada | | |
|---|----------|----------|
| | g/l | Lbs/gal |
| Actual VOC | 47 | 0.4 |
| Regulatory VOC | 113 | 0.9 |
| Density | 1120 | 9.4 |
| | Weight % | Volume % |
| Total Solid Content | 37.8 | 36 |
| Total Volatile Content | 62.2 | 64 |
| Exempt Compound Content | 58 | 58.8 |

VOC 

| PART A + B RTS VOC Regulatory Data For USA (National Rule & Low VOC) / Canada | | |
|---|---------------|----------|
| Coating Category | Clear Coating | |
| Mixing Ratio | 2:1 | |
| | g/l | Lbs/gal |
| Actual VOC | 140 | 1.2 |
| Regulatory VOC | 250 | 2.1 |
| Density | 1140 | 9.57 |
| | Weight % | Volume % |
| Total Solid Content | 40.4 | 40.2 |
| Total Volatile Content | 59.6 | 59.8 |
| Exempt Compound Content | 47.3 | 44.1 |

The information contained in this Technical Data Sheet is based on the knowledge and experience of the Technical Department of BESA and with it we try to advise and inform, being the responsibility of the user to take the necessary measures to guarantee the intended purpose of the product. **FOR PROFESSIONAL USE EXCLUSIVELY.**