



Product Information

D8126 CeramiClear™ Mar and Scratch Resistant Clearcoat

Product Description

D8126 *CeramiClear*™ is a new nano-technology, mar and scratch resistant, high solid clearcoat. This new clear is especially designed for the repair of Mercedes-Benz cars that have an OE finish using PPG *CeramiClear*™. D8126's excellent surface properties also minimizes the visible marring caused by car washing and polishing.

D8126 *CeramiClear*™ was formulated to meet all current VOC limits and is suitable for use in Southern California Districts. D8126 was designed for use over *Envirobase*® Basecoat color and BC Global Basecoat Color.

Preparation of Substrate



Wash all surfaces to be painted with soap and water, then apply the appropriate Global cleaner. See EU-134 Global Cleaners for selection and usage instructions. Ensure that the substrate is thoroughly cleaned and dried both before and after application work.



Wet sand with European U.S. 500 – 600 / European P800 – 1200 grade paper or dry sanding with U.S. 400 – 500 / European P600 – 800 grade paper.



Wash off residue and dry thoroughly before re-cleaning with appropriate Global substrate cleaner. The use of a tack rag is recommended.

Apply Global BC Color or *Envirobase* Color over original baked finishes or over recommended Global Primers. See Data Sheet EU-02 for Global Basecoat Color or EU-130 *Envirobase* Color for application details.

APPLICATION GUIDE:

Mix Ratio:



D8126 CeramiClear™: 2 vols

D8226 Hardener: 1 vol



Potlife @ 68°F / 20°F:

1 hour

Additives:



None

Spraygun set-up:



Fluid Tip

1.3 – 1.5 mm or equivalent

Spray Viscosity

19 – 21 seconds #2 ZAHN @ 68°F / 20°C

Spray pressure:

HVLP at air cap

10 PSI

Conventional at spray gun

45 – 55 PSI

Number of coats:



Apply:

1 medium coat, then 1 full coat (2 coats)

Film build per wet coat

2.1 – 3.1 mils

Dried film build per coat

1.0 – 1.5 mils

Flash off at 68°F / 20°C:



Between coats

5 minutes

Before baking

0 – 5 minutes

Drying times:



Dust-free

68°F / 20°C

30 minutes

Dry to handle

68°F / 20°C

4 hours minimum

140°F / 60°C

30 minutes*



Tape Time

68°F / 20°C

5 – 6 hours

140°F / 60°C

30 minutes + cool down*



Through Dry

68°F / 20°C

8 hours

140°F / 60°C

30 minutes + 2 hours @ room temperature*



IR (Infrared)

Medium Wave

15 minutes

Short Wave

8 minutes

APPLICATION GUIDE

Drying times continued:



Polishing

After 24 hours @ 68°F (20°C) D8126 *Ceramiclear* can be lightly de-nibbed with 2000 grit sandpaper and compounded. Use a foam pad with a minor cutting compound to remove any minor imperfections.

** All force dry times are quoted for metal temperature. Additional time must be allowed during force dry to allow metal to reach recommended temperature.*

Note: For best results, D8126 should be used for full panel repairs.

Overcoat/Recoat:



Overcoat/Recoat Time

10 hours at 68°F / 20°C or after force dry/cool down + 2 hours.



Grade wet

U.S. 500 – 600 / European P800 – 1200

Grade dry

U.S. 400 – 500 / European P600 – 800



Overcoat with

Any compliant Global topcoat system

Blending:

The blend technique used for D8126 Ceramiclear is a “reverse blend process”.

Follow the below instructions for best results:

1. Standard prep - Use 1000 grit on a DA and 1200 grit wet.
2. After finishing color repair, apply 1 wet coat of **D8753 Blend-Ease** out to the edge of the area intended for the clear blend. (See note)
3. Mix 1 part of ready-to-spray clear to 1 part of **D8753** and apply this mixture on the blend area where **D8753** was applied in step 2.
4. Starting from the blend area and working back into the panel, apply two single coats of the ready-to-spray clear to the remainder of the refinished panel.
5. Bake or air dry and polish blend area with a fine compound to complete the repair.

Note: For best results, D8126 should be used for full panel repairs.

Technical Data:

Total dry film build

Minimum	2.0 mils
Maximum	2.5 mils
Recommended film build per wet coat	2.1 – 3.1 mils
Recommended dried film build per coat	1.0 – 1.5 mils

RTS Combinations:

D8126 : D8226

Volume Ratio:	2 : 1
Applicable Use Category	Clear Coating
VOC Actual	168 (g/L) 1.40 (lbs/gal)
VOC Regulatory (less water less exempt)	240 (g/L) 2.00 (lbs/gal)
Density	1074 (g/L) 47.9 (lbs/gal)
Volatiles wt. %	8.96
Water wt. %	0.0
Exempt wt. %	32.3
Water vol. %	0.0
Exempt vol. %	30.4
Solids vol. %	49.8
Sq Ft. Coverage / U.S.gal. (1 mil. @ 100% transfer efficiency)	799

Health and Safety:



See Material Safety Data Sheet and Labels for additional safety information and handling instructions.

- The contents of this package may have to be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels and MSDS's of all the components, since the mixture will have the hazards of all its parts.
- Improper handling and use, for example, poor spray technique, inadequate engineering controls and/or lack of proper Personal Protective Equipment (PPE), may result in hazardous conditions or injury.
- Follow spray equipment manufacturer's instructions to prevent personal injury or fire.
- Provide adequate ventilation for health and fire hazard control.
- Follow company policy, product MSDS and respirator manufacturer's recommendations for selection and proper use of respiratory protection. Be sure employees are adequately trained on the safe use of respirators per company and regulatory requirements.
- Wear appropriate PPE such as eye and skin protection. In the event of injury, see first aid procedures on MSDS.
- Always observe all applicable precautions and follow good safety and hygiene practices.

Emergency Medical or Spill Control Information (412) 434-4515; In Canada (514) 645-1320

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the general public. Products mentioned may be hazardous and should only be used according to directions, while observing precautions and warning statements listed on label. Statements and methods described are based upon the best information and practices known to PPG Industries. Procedures for applications mentioned are suggestions only and are not to be construed as representations or warranties as to performance, results, or fitness for any intended use, nor does PPG Industries warrant freedom from patent infringement in the use of any formula or process set forth herein.

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