

# CERAMICLEAR® Mar and Scratch Resistant Clearcoat

EU-142



GLOBAL REFINISH  
SYSTEM™

# D8126

## Product Description:

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

D8126 *CeramiClear* was formulated to meet all current VOC limits and is suitable for use over ENVIROBASE® High Performance Basecoat colour and GLOBAL REFINISH SYSTEM™ BC Basecoat Colour.

## Preparation of Substrate:



- Wash all substrates to be painted with soap and water, then apply the appropriate PPG cleaner. Ensure that the substrate is thoroughly cleaned and dried both before and after application work.



- Wet sand with European P800-P1200 / US 500-600 grade paper or dry sanding with European P600-P800 / US 400-500 grade paper.



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

## Required Products

### Hardener

D8226 *CeramiClear* Hardener

## D8126

### Mix Ratios:



D8126 CeramiClear: 2 vols.  
D8226 Hardener: 1 vol.

### Pot Life:



1 hour at 68°F (20°C)

### Additives:



None

### Spraygun Setup:



**Fluid Tip:** 1.3-1.5 mm or equivalent

### Spray Pressure:

**HVLP:** 10 psi at the air cap  
**Compliant:** 29-40 psi at the gun

*Note: For best overall results, refer to spraygun manufacturer's recommendations for inlet air pressures.*

### Number of Coats:



**Apply:** 2 coats  
1 medium coat, then 1 full coat

**Total dry film build per coat:** 1.0-1.5 mils

**Maximum dry film build:** 2.5 mils

### Drying Times:



**Between Coats:**  
68°F (20°C) 5 minutes



**Dust Free:**  
68°F (20°C) 30 minutes

**Dry to Handle:**  
68°F (20°C) 4 hours minimum

**Tape Time:**  
68°F (20°C) 5-6 hours

**Air Dry:**  
68°F (20°C) 8 hours



**Force Dry\*:**  
140°F (60°C) 0-5 minutes purge  
30 minute\* bake + 2 hours at room temperature



**IR:**  
**Medium Wave:** 15 minutes  
**Short Wave:** 9 minutes



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

*\*Force dry times are quoted for metal temperature. Additional time should be allowed in the force drying schedule to allow metal to reach recommended temperature.*

## D8126

### Overcoat/Recoat:



**Overcoat/Recoat Time:** 10 hours at 68°F (20°C) or 2 hours after force dry and cool down.



**Grade Wet:** European P800-P1200 / US 500-600

**Grade Dry:** European P600-P800 / US 400-500

**Overcoat with:** *Global Refinish System, Concept DCC Acrylic Urethane or ENVIROBASE® High Performance topcoats.*

### Polishing:



After 24 hours at 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.

### 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 colour repair, apply 1 wet coat of **SX840 Uniform Finish Blender** 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 **SX840** and apply this mixture on the blend area where **SX840** 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.**

### Equipment

#### Cleaning:

Spray guns, gun cups, storage pots, etc. should be cleaned thoroughly after each use with any PPG general purpose solvent, lacquer thinner or DX reducer.

### Technical Data:

#### RTS Combinations

#### D8126 : D8226

Volume Ratio	2 : 1
Applicable Use Category	Clear Coating
VOC Actual g/L	168
VOC Actual lbs./ US gal.	1.40
VOC Regulatory (less water less exempts) g/L	240
VOC Regulatory (less water less exempts) lbs./ US gal	2.00
Density g/L	1074
Density lbs./ US gal	8.96
Volatiles wt. %	48.0
Water wt. %	0.0
Exempt wt. %	32.3
Water vol. %	0.0
Exempt vol. %	30.4
Solids vol. %	49.8
Solids wt. %	52.0
Sq. Ft. Coverage / US gal. 1 mil at 100% transfer efficiency	799

## D8126

**Health and Safety:**

- 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 SDS's of all the components, since the mixture will have the hazards of all of 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 SDS 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 SDS.
- Always observe all applicable precautions and follow good safety and hygiene practices.

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

**Important:** The contents of this package must 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 of all components since the mixture will have the hazards of all its parts. Improper spray technique may result in a hazardous condition. Follow spray equipment manufacturer's instructions to prevent personal injury or fire. Follow directions for respirator use. Wear eye and skin protection. Observe all applicable precautions.

**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 public. Products mentioned may be hazardous and should only be used according to direction, 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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## CeramiClear Mar and Scratch Resistant Clearcoat

<p><b>Mix:</b></p> 	<p><b>D8126</b> : <b>D8226 Hardener</b>  <b>2</b> : <b>1</b></p>
<p><b>Hardener</b></p>	<p>D8226 CeramiClear Hardener</p>
<p><b>Additives:</b></p> 	<p>None</p>
<p><b>Pot Life:</b></p> 	<p>1 hour at 68°F (20°C)</p>
<p><b>Air Pressure:</b></p> 	<p><i>HVLP:</i> 10 psi at the air cap  <i>Compliant:</i> 29-40 psi at the gun  <i>Fluid Tip:</i> 1.3-1.5 mm or equivalent</p>
<p><b>Application:</b></p> 	<p><i>Apply:</i> 1 medium coat, then 1 full coat  <i>Between Coats:</i> 5 minutes at 68°F (20°C)</p>
<p><b>Dry Times:</b></p> 	<p><i>Dust Free:</i> 30 minutes at 68°F (20°C)  <i>Dry to Handle:</i> 4 hours at 68°F (20°C)  <i>Tape Time:</i> 5-6 hours at 68°F (20°C)</p>
	<p><i>Force Dry:**</i> 0-5 minutes purge          30 minutes bake at 140°F (60°C) + 2 hours at room temperature</p>
	<p><i>IR:</i>  <i>Medium Wave:</i> 15 minutes  <i>Short Wave:</i> 8 minutes</p>
	<p><i>Polishing:</i> After 24 hours at 68°F (20°C) D8126 can be lightly de-nibbed and compounded.</p>
	<p><i>Overcoat/Recoat:</i> 2 hours after force dry and cool down or 10 hours at 68°F (20°C)</p>
	<p><i>Grade Wet:</i> European P800-P1200 / US 500-600  <i>Grade Dry:</i> European P600-P800 / US 400-500</p>

\*\*Bake times quoted are for metal temperature. Additional time should be allowed in the force drying schedule to allow metal to reach recommended temperature.