



PDS N7.5

April 2017

NEXA AUTOCOLOR® 2K® P190-6490 - Scratch Resistant Clearcoat for CERAMICLEAR®

PRODUCT DESCRIPTION

NEXA AUTOCOLOR® 2K® P190-6490 Scratch Resistant Clearcoat is a high solids, mar and scratch resistant clearcoat especially designed for the repair of late model Mercedes-Benz vehicles having an OE finish using PPG CERAMICLEAR®. P190-6490 is specifically designed to resist marring and micro scratching which minimizes this visible damage caused by improper washing and polishing. P190-6490 Scratch Resistant Clearcoat can be applied over *Nexa Autocolor 2K P422* and AQUABASE® Plus basecoats as well as properly prepared OE finishes.

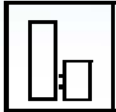





With a ready for use VOC less than 2.1 lbs./ U.S. gallon RTS, P190-6490 meets or exceeds all limits currently in place within the U.S. and Canada including the stringent requirements for California.

Products	
P190-6490	Scratch Resistant Clearcoat
P210-8490	Hardener for Scratch Resistant Clearcoat

THESE PRODUCTS ARE FOR PROFESSIONAL USE ONLY

Scratch Resistant Clearcoat

PROCESS

MIX RATIO 	P190-6490 Clearcoat 2 parts P210-8490 Hardener 1 part
POTLIFE 	Sprayable Pot Life: 1 hour at 70°F (21°C) from activation Viscosity: 15 - 19 seconds DIN #4 at 70°F (21°C)
SPRAYGUN & AIR PRESSURE 	Fluid Tip: 1.4 - 1.8 mm HVLP: Maximum of 10 psi cap pressure Compliant: 29 - 40 psi at the gun For best overall results, refer to the spray gun manufacturer's recommendation for optimum inlet air pressures.
APPLICATION 	Apply: 2 medium wet coats Total dry film build: 2.0 - 3.0 mils
FLASH TIME 	Between coats: 5 - 10 minutes at 70°F (21°C)
DRY TIMES 	Air dry: Dust Free: 30 minutes at 70°F (21°C) To Handle: 4 hours at 70°F (21°C) Tape Time: 5 - 6 hours at 70°F (21°C) Air Dry: 8 hours at 70°F (21°C) Force dry: 30 minutes at 140°F (60°C) IR: Short Wave: 8 minutes Medium Wave: 15 minutes

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

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Scratch Resistant Clearcoat

GENERAL PROCESS NOTES

SUBSTRATES

P190-6490 Scratch Resistant Clearcoat can be applied over *Nexa Autocolor 2K* basecoat color and properly cleaned and prepared factory finishes. For best results, Scratch Resistant Clearcoat should be applied to full panels. The use of P100-2020 Flexible Additive is not required when clearcoating flexible substrates.

PROCESS NOTES

For optimum application, these paint systems should not be applied cold. Best results will be obtained by allowing adequate time for paint to reach 70°F (21°C).

RECOATABILITY

P190-6490 Scratch Resistant Clearcoat is recoatable after 10 hours air dry at 70°F (21°C).

When force dried, P190-6490 Scratch Resistant Clearcoat is fully recoatable after 2 hours of cool down.

POLISHING

After baking and an overnight air dry at 70°F (21°C) minor imperfections may be removed by lightly sanding with 2000 grit or finer paper and then polished with finishing compound and a foam pad.

For best results, Scratch Resistant Clearcoat should be forced dried if polishing is required. If air dried, minor scratches from sanding may be more difficult to remove.

EQUIPMENT CLEANING

Approved PPG Cleaning Solvent

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Scratch Resistant Clearcoat

RTS Combinations

	P190-6490 : P210-8490
Volume Ratio	2 : 1
Applicable Use Category	Clear Coating
VOC Actual (g/L)	167
VOC Actual (lbs/Gal)	1.39
VOC Regulatory (g/L) (less water, less exempts)	238
VOC Regulatory (lbs/Gal) (less water, less exempts)	1.99
Density (g/L)	1074
Density (lbs./Gal)	8.96
Volatiles wt. %	48.0
Water wt. %	0.1
Exempt wt. %	32.4
Water vol. %	0.1
Exempt vol. %	30.3
Solids vol. %	49.8
Solids wt. %	52.0
Sq. Ft. Coverage / US Gal. 1 mil at 100% transfer efficiency	798

VOC COMPLIANCE

To ensure accurate mixing, best performance & VOC compliance:

- Do not add extra hardener, thinner or change the recommended mixing ratio.
- Do not use hardeners or thinners that are not specific in this process summary.

HEALTH AND SAFETY

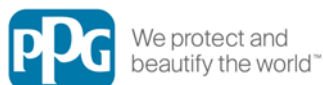
See Safety Data Sheet and Labels for additional safety information and handling instructions.

- 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 SDSs 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.

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 statement listed on label. Statement 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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