



Priomat® Elastic Primer 4190



GENERAL

DESCRIPTION

A universal, one component adhesion promoter for all normal plastic vehicle parts. For use in areas requiring plastic primers with a VOC of 540 g/l.

The products referenced herein may not be available for sale in your market. Please consult your distributor for product availability.



MIXING

COMPONENTS

Priomat® Elastic Primer 4190

MIX RATIO

Ready-to-spray

APPLICATION VISCOSITY

Approximately 12 seconds at 68°F/20°C, DIN 4

POT LIFE

Approximately 8 hours at 68°F/20°C

SPECIAL TIPS

1. Do not allow Permahyd® Plastic Cleaning Paste 7081 to dry on the surface of the plastic substrate.
2. Thoroughly clean and scuff all surfaces of the plastic part, paying special attention to all edges.
3. For hard to reach areas of the plastic part, use the application brush that is included with the Permahyd® Plastic Cleaning Paste 7081.
4. Permahyd® Plastic Cleaning Paste 7081 is designed for raw plastic and is not suitable for cleaning painted surfaces.
5. Always use a clean scuff pad.
6. Soft plastic may require a finer scuff pad.
7. Difficult to clean plastics may need to be cleaned more times, or if applicable the plastic may be baked for a minimum of 15 minutes at 140°F (60°C). Some OEM plastic bumpers do not recommend a bake cycle. Once the plastic has cooled, repeat the procedure below for preparing raw plastics beginning with step 2.
8. Plastic parts repaired with Priomat® Elastic Primer 4190 may not be washed with a high pressure jet within six weeks of the repair. After this period, the nozzle must be held at a distance of no less than 12 inches from the object.



APPLICATION

SUBSTRATES

All raw plastic parts commonly found on vehicle exteriors (Examples: PP, PP/EPDM, ABS, SAN, PC, PA, PUR-RIM, R-TPU, TPO, PBTP, UP-GF).

Not recommended for pre-painted substrates.



SURFACE PREPARATION

Primed Plastic

Perform a solvent test to check if primer is reversible.

1. If the primer is reversible, then strip and treat as raw plastic.
2. If the primer is not reversible
 - a. Wash with soap and water, clean with Permaloid® Silicone Remover 7010 Slow, Permahyd® Silicone Remover 7085, or Permahyd® Silicone Remover 7096. Sand primer (with P500-800 when dry sanding or with P600-800 when wet sanding). Make sure to scuff all of the edges and hard to reach areas with a gray or gold scotch pad.
 - b. Re-clean with Permaloid® Silicone Remover 7010 Slow, Permahyd® Silicone Remover 7085, or Permahyd® Silicone Remover 7096.
 - c. Recoat with an elastic Permasolid® Surfacer or Sealer.

Raw Plastic

The substrate must be free from release agents.

1. Rinse the raw plastic part thoroughly with water and pre-clean it using Permahyd® Plastic Cleaning Paste 7081 and a clean gold scuff pad.
2. Continue to clean the raw plastic part another 2 to 3 times using new Permahyd® Plastic Cleaning Paste 7081 and a clean gold scuff pad. The supplied brush should be used with Permahyd® Plastic Cleaning Paste 7081 in hard to reach areas of the plastic part.
3. Remove all Permahyd® Plastic Cleaning Paste 7081 residue from the plastic by thoroughly rinsing with clean water.
4. Before further treatment, clean the plastic substrate thoroughly with Permaloid® Silicone Remover 7010 Slow, Permahyd® Silicone Remover 7085, or Permahyd® Silicone Remover 7096.
5. Apply Priomat® Elastic Primer 4190 Gray as per below and recoat with an elastic Permasolid® Primer Surfacer or Sealer.

SPRAYGUN SETUP

HVLP	1.3-1.4mm
Approved Transfer Efficiency	1.2-1.3mm

Please refer to gun manufacturer and local legislation for proper spray pressure recommendations.

APPLICATION

- Apply 1 – 1.5 coats.

RECOMMENDED FILM THICKNESS

Approximately 0.15 mil dry film thickness



DRY TIMES

AIR DRYING

Drying time at 68°F/20°C: 15-30 minutes

RECOAT

With elastic Permasolid® Spectro Sealer 5450 or elastic Permasolid® 2.1 Surfacer 5157



PHYSICAL PROPERTIES

Coating Category: Specialty Coating
 Max. VOC (AP): 265 g/l; 2.2 lbs/gal
 Max. VOC (LE): 522 g/l; 4.4 lbs/gal
 Avg. Gallon Weight: 1159.3 g/l; 9.67 lbs/gal
 Avg. Weight % Volatiles: 78.7 %
 Avg. Weight % Water: 0.0%
 Avg. Weight % Exempt Solvent: 55.8%
 Avg. Volume % Water: 0.0%
 Avg. Volume % Exempt Solvent: 49.2%

Theoretical Coverage: 329.5 sq. ft. @ 1 mil
 Theoretical Coverage @ Recommended Film Build: 2196 sq. ft.

VOC REGULATED AREAS

These directions refer to the use of products which may be restricted or require special mixing instructions in VOC regulated areas. Follow mixing usage and recommendations in the VOC Compliant Products Chart for your area.

SAFETY AND HANDLING

For industrial use only by professional, trained painters. Not for sale to or use by the general public. Before using, read and follow all label and MSDS precautions. If mixed with other components, mixture will have hazards of all components.

Ready to use paint materials containing isocyanates can cause irritation of the respiratory organs and hypersensitive reactions. Asthma sufferers, those with allergies and anyone with a history of respiratory complaints must not be asked to work with products containing isocyanates.

Do not sand, flame cut, braze or weld dry coating without a NIOSH approved air purifying respirator with particulate filters or appropriate ventilation, and gloves.

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