Permasolid®
Low VOC Clear Coat 8096

GENERAL

DESCRIPTION
A 2.1 lb/gal (250 g/l), high gloss, easy-to-apply clear coat from our “2K-Acryl-System” designed for spot and panel repairs in multiple environments and application temperatures. It delivers excellent results over solventborne and waterborne base coats and can be sprayed in a 1.5 continuous application process or in 2 coats. Its excellent vertical stability improves results in the spray booth, and its high gloss gives vehicles a showroom floor finish.

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

MIXING

COMPONENTS
Permasolid® Low VOC Clear Coat 8096

PERMASOLID LOW VOC HARDENERS
Permasolid® Low VOC Hardener 3192 Fast (18 - 24°C / 64 - 75 °F),
Permasolid® Low VOC Hardener 3194 Medium (23 - 29°C / 73 - 84 °F), or
Permasolid® Low VOC Hardener 3196 Slow (28 - 35°C / 82 - 95 °F)

REDUCERS
Permasolid® Low VOC Reducer 3394 Medium or
Permasolid® Low VOC Reducer 3392 Express

For optimum hardener and reducer selection, refer to TDS # 062, 061, or 3220-3245 and 780.0.

ADDITIVES
Permasolid® Elastic Additive 9050

MIX RATIO

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<tr>
<td>3394 / 3392</td>
<td>+10-15%</td>
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ELASTIC CLEAR - PERMASOLID LOW VOC HARDENERS

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### PERMASOLID HS HARDENERS

**Mixing Information for 8096 with HS Hardeners**

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**Mixing Information for Elastic 8096 with HS Hardeners**

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### PERMASOLID VHS HARDENERS

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Mixing Information for Elastic 8096 with VHS Hardeners

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APPLICATION VISCOITY
68°F/20°C, DIN 4
Application in 1.5 coats: Approximately 16 seconds
Application in 2 coats: Approximately 15 seconds

POT LIFE
Approximately 1-4 hours at 68°F/20°C when ready to spray depending on the hardener and reducer used.

SPECIAL TIPS
1. Permasolid® Low VOC Reducer 3394 Medium is suitable for all temperature ranges (18 - 35°C / 64 - 95 °F).
2. Permasolid® Low VOC Reducer 3392 Express will reduce the bake time to 10 minutes.
3. Permasolid® Matte Clear Coat Additive 8092 may be used. See TDS for Permasolid® Matte Clear Coat Additive 8092 for Small Parts.

APPLICATION

SUBSTRATES
Permacron® Base Coat Series 293/295
Permahyd® Hi-TEC 480
Fully cured OEM or existing topcoat (non-reversible)

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
- Option 1: Apply 1 medium coat followed by 1 full coat without intermediate flash-off.
- Option 2: Apply 2 coats with approximately 3-5 minutes intermediate flash-off between coats.

RECOMMENDED FILM THICKNESS
2.0-2.5 mil dry film thickness
DRY TIMES

AIR DRYING
Drying time at 68°F/20°C:
  Dust free: 45 to 60 minutes
  Dry for assembly: 4 hours
  Dry through: 24 hours

LOW BAKE
Flash-off time: 0-5 minutes
Drying time at 130°F/55°C metal temp.:
  3394 Medium: 20 minutes
  3392 Express: 10 minutes

PHYSICAL PROPERTIES

Coating Category: Clear Coating (Low VOC Hardeners)
Max. VOC (AP): 156 g/l; 1.3 lbs/gal
Max. VOC (LE): 240 g/l; 2.0 lbs/gal
Avg. Gallon Weight: 1139.2 g/l; 9.51 lbs/gal
Avg. Weight % Volatiles: 54.6%
Avg. Weight % Water: 0.0%
Avg. Weight % Exempt Solvent: 41.0%
Avg. Volume % Water: 0.0%
Avg. Volume % Exempt Solvent: 36.3%

Theoretical Coverage: 728.3 sq. ft. @ 1 mil
Theoretical Coverage @ Recommended Film Build: 291–364 sq. ft.

Coating Category: Clear Coating (Low VOC Hardeners, Elastic Additive)
Max. VOC (AP): 156 g/l; 1.3 lbs/gal
Max. VOC (LE): 240 g/l; 2.0 lbs/gal
Avg. Gallon Weight: 1141.4 g/l; 9.52 lbs/gal
Avg. Weight % Volatiles: 52.5%
Avg. Weight % Water: 0.0%
Avg. Weight % Exempt Solvent: 39.0%
Avg. Volume % Water: 0.0%
Avg. Volume % Exempt Solvent: 34.4%

Theoretical Coverage: 757.7 sq. ft. @ 1 mil
Theoretical Coverage @ Recommended Film Build: 303–379 sq. ft.

Coating Category: Clear Coating (HS Hardeners)
Max. VOC (AP): 407 g/l; 3.4 lbs/gal
Max. VOC (LE): 467 g/l; 3.9 lbs/gal
Avg. Gallon Weight: 1040.2 g/l; 8.7 lbs/gal
Avg. Weight % Volatiles: 54.0%
Avg. Weight % Water: 0.0%
Avg. Weight % Exempt Solvent: 14.5%
Avg. Volume % Water: 0.0%
Avg. Volume % Exempt Solvent: 12.5%

Theoretical Coverage: 670.1 sq. ft. @ 1 mil
Theoretical Coverage @ Recommended Film Build: 268–335 sq. ft.
### Technical Data Sheet - 8096

**Coating Category:** Clear Coating (HS Hardeners, Elastic Additive)
- **Max. VOC (AP):** 407 g/l; 3.4 lbs/gal
- **Max. VOC (LE):** 467 g/l; 3.9 lbs/gal
- **Avg. Gallon Weight:** 1042.2 g/l; 8.70 lbs/gal
- **Avg. Weight % Volatiles:** 52.1%
- **Avg. Weight % Water:** 0.0%
- **Avg. Weight % Exempt Solvent:** 12.6%
- **Avg. Volume % Water:** 0.0%
- **Avg. Volume % Exempt Solvent:** 10.9%

Theoretical Coverage: 696.5 sq. ft. @ 1 mil
Theoretical Coverage @ Recommended Film Build: 279-328 sq. ft.

**Coating Category:** Clear Coating (VHS Hardeners)
- **Max. VOC (AP):** 372 g/l; 3.1 lbs/gal
- **Max. VOC (LE):** 431 g/l; 3.6 lbs/gal
- **Avg. Gallon Weight:** 1045.7 g/l; 8.73 lbs/gal
- **Avg. Weight % Volatiles:** 51.8%
- **Avg. Weight % Water:** 0.0%
- **Avg. Weight % Exempt Solvent:** 15.8%
- **Avg. Volume % Water:** 0.0%
- **Avg. Volume % Exempt Solvent:** 13.7%

Theoretical Coverage: 706.2 sq. ft. @ 1 mil
Theoretical Coverage @ Recommended Film Build: 283–353 sq. ft.

**Coating Category:** Clear Coating (VHS Hardeners, Elastic Additive)
- **Max. VOC (AP):** 372 g/l; 3.1 lbs/gal
- **Max. VOC (LE):** 431 g/l; 3.6 lbs/gal
- **Avg. Gallon Weight:** 1048.0 g/l; 8.74 lbs/gal
- **Avg. Weight % Volatiles:** 49.7%
- **Avg. Weight % Water:** 0.0%
- **Avg. Weight % Exempt Solvent:** 13.8%
- **Avg. Volume % Water:** 0.0%
- **Avg. Volume % Exempt Solvent:** 11.9%

Theoretical Coverage: 736.0 sq. ft. @ 1 mil
Theoretical Coverage @ Recommended Film Build: 294–368 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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