



Permasolid[®] Elastic Additive 9050



GENERAL

DESCRIPTION

A special additive of highly elastic polyurethane resins used for adjusting two-component clear coats, midcoats, primer surfacers, or sealers to the required degree of elasticity for painting plastic parts.

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



MIXING

COMPONENTS

Permasolid[®] Elastic Additive 9050

CLEAR COATS

Permasolid[®] HS Clear Coat 8035,
Permacron[®] MS Express Clear Coat 8046,
Permasolid[®] Air Dry Clear Coat 8094,
Permasolid[®] Low VOC Clear Coat 8096,
Permasolid[®] Low VOC Clear Coat 8098,
Permacron[®] MS Clear Coat 8180,
Permasolid[®] HS Diamond Clear Coat 8450, or
Permasolid[®] HS Optimum Clear Coat 8600

Or

PRIMERS/SURFACERS/SEALERS

Permasolid[®] HS Premium Surfacers 5310,
Permasolid[®] Spectro Surfacers 5400,
Permasolid[®] Spectro Sealers 5450,
Permasolid[®] HS Vario Surfacers 8590, or
Permasolid[®] 2.1 Surfacers 5157

Or

MIDCOATS

Permasolid[®] 2K Diamond Midcoat or
Permasolid[®] 2K Transparent Red Midcoat

MIX RATIO – 2K CLEAR COATS

Add 10-30% Permasolid[®] Elastic Additive 9050 to 2K Clear Coats on all commonly found plastic parts excluding reinforced fiberglass.

Refer to the TDS of the respective Permacron[®] or Permasolid[®] 2K Clear Coat for product specific mix recommendations with Permasolid[®] Elastic Additive 9050.

MIX RATIO – 2K SURFACERS (NOT FOR USE IN 5150)

Add 15-30% Permasolid[®] Elastic Additive 9050 to 2K Primer Surfacer or Sealers on all commonly found plastic parts excluding reinforced fiberglass.

Refer to the TDS of the respective Permasolid[®] 2K Surfacers or Sealers for product specific mix recommendations with Permasolid[®] Elastic Additive 9050.



MIX RATIO – 2K MIDCOATS

Add 15% Permasolid® Elastic Additive 9050 to 2K Midcoats on all commonly found plastic parts excluding reinforced fiberglass.

Refer to the TDS of the respective Permasolid® 2K Midcoat for product specific mix recommendations with Permasolid® Elastic Additive 9050.

The base product (2K clear coat, midcoat, primer surfacer, or sealer) must first be mixed with Permasolid® Elastic Additive 9050 prior to activation!

The mixing ratio with Permasolid® HS Hardeners is as follows:

- 2:1 in Permasolid® HS Premium Surfacer 5310
- 2:1 in Permasolid® Spectro Surfacer 5400
- 2:1 in Permasolid® Spectro Sealer 5450
- 3:1 in Permasolid® Vario Surfacer 8590
- 4:1 in Permasolid® 2.1 Surfacer 5157

- 2:1 in Permasolid® HS Clear Coat 8035
- 2:1 in Permacron® MS Express Clear Coat 8046
- 3:1 in Permasolid® Air Dry Clear Coat 8094
- 3:2 in Permasolid® Low VOC Clear Coat 8096
- 2:1 in Permacron® MS Clear Coat 8180

3:2 in Permasolid® 2K Midcoats

The mixing ratio with Permasolid® VHS Hardeners is as follows:

- 4:1 in Permasolid® HS Premium Surfacer 5310
- 3:1 in Permasolid® Spectro Surfacer 5400
- 4:1 in Permasolid® Spectro Sealer 5450
- 5:1 in Permasolid® Vario Surfacer 8590
- 6:1 in Permasolid® 2.1 Surfacer 5157

- 3:1 in Permasolid® HS Clear Coat 8035
- 3:1 in Permacron® MS Express Clear Coat 8046
- 4:1 in Permasolid® Air Dry Clear Coat 8094
- 5:2 in Permasolid® Low VOC Clear Coat 8096
- 3:1 in Permacron® MS Clear Coat 8180
- 2:1 in Permasolid® HS Diamond Clear Coat 8450
- 3:1 in Permasolid® HS Optimum Clear Coat 8600

5:2 in Permasolid® 2K Midcoats

The mixing ratio with Permasolid® Low VOC Hardeners is as follows:

- 3:1 in Permasolid® Spectro Sealer 5450
- 4:1 in Permasolid® 2.1 Surfacer 5157

- 4:1 in Permasolid® Air Dry Clear Coat 8094
- 2:1 in Permasolid® Low VOC Clear Coat 8096
- 2:1 in Permasolid® Low VOC Clear Coat 8098

- 2:1 in Permasolid® 2K Midcoats



SPECIAL TIPS

1. After use each use, replace the Permasolid® Elastic Additive 9050 container lid immediately, ensuring an airtight seal.
2. Permasolid® Elastic Additive 9050 should not be added to base coat when applying a two-stage finish. In this case, Permasolid® Elastic Additive 9050 should only be added to the clear coat.
3. Do not pre mix with clear coat, midcoat, surfacer, or sealer. Add the hardener and apply the mixture immediately after mixing with Permasolid® Elastic Additive 9050.
4. To optimize the sanding properties, all 2K Surfacer mixed with Permasolid® Elastic Additive 9050 should be dried 45 minutes at 140°F/20°C.
5. Further instructions may be found in the System Data Sheet “The Paint System For Plastic Parts” (TDS number 901.1).
6. Permacron® Dura Plus 8580 may be added to improve dry time (up to 10%).
7. Adjust viscosity of 2K products with Permacron® or Permasolid® Reducer.



APPLICATION

Refer to the TDS of the respective Permacron® or Permasolid® 2K Clear Coat or Surfacer, Permasolid® Spectro Sealer, or Permasolid® Midcoat for product specific application recommendations.



DRY TIMES

Refer to the TDS of the respective Permacron® or Permasolid® 2K Clear Coat or Surfacer, Permasolid® Spectro Sealer, or Permasolid® Midcoat for product specific flash-off and dry time recommendations.



PHYSICAL PROPERTIES

Refer to the TDS of the respective Permacron® or Permasolid® 2K Clear Coat or Surfacer, Permasolid® Spectro Sealer, or Permasolid® Midcoat for product specific physical property values.

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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