



Super Satin Clear Kit

290228-1/KT, 290228-4/KT

This Super Satin Clear Kit is a two-component, fluoropolymer clear, which was developed to provide extended performance under the toughest conditions.

Super Satin Clear is designed for topcoat applications to protect color coated substrate components, vinyl graphics or to highlight architectural metals, while providing extreme durability and protection.

Super Satin Clear is designed to meet the most stringent VOC regulations.*



*Note: when using Exempt reducers

Features:

Benefits:

| | |
|--|--|
| Satin-in-the-can..... | No additional flattening agent needed; Consistent gloss and finish; Less time to mix |
| Air-dry or force-dry capable | Fits most shop conditions |
| Excellent UV resistance | Excellent color and gloss retention; Extended life cycle; Reduced maintenance costs |
| Low VOC technology | Environmentally friendly, complies with VOC regulations |
| Graffiti resistant..... | Most chemical graffiti can be removed with an appropriate solvent once finish is fully cured |
| High performance 2K Fluoropolymer technology ... | Superior durability and improved performance over standard clears; Resistance to weathering, chalking, dirt and grime build up |

Compatible Surfaces:

290228-1/KT and 290228-4/KT Super Satin Clear may be applied over properly prepared:

| | | |
|----------------|-------------------------------|---------------------------------|
| MAP® | MAP-LVG Acrylic Polyurethane* | 274777SP/01 Tie Bond Adhesive |
| Satin MAP® | MAP-LVS Acrylic Polyurethane* | 274793SP/01 Spray Bond Adhesive |
| Satin VOC MAP® | 74777SP/01 Tie Bond Adhesive | |

*To ensure proper adhesion, apply 290228-1/KT and 290228-4/KT Super Satin Clear immediately following flash-off of final coat of LVG or LVS color.

Associated Products:

| Catalyst | Exempt Reducers | Low VOC Reducers |
|------------------------|---|---|
| 283920SP/4Z* Catalyst | 6370SP/01 Cool temperature, 60 - 75°F (16 - 24°C) | 6300SP/01 Cool temperature, 60 - 75°F (16 - 24°C) |
| *Also available in /8Z | 6371SP/01 Warm temperature, 70 - 85°F (21 - 29°C) | 6301SP/01 Warm temperature, 70 - 85°F (21 - 29°C) |
| | 6372SP/01 Hot temperature, 80°F (27°C) & above | 6302SP/01 Hot temperature, 80°F (27°C) & above |

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Directions for Use

Surface Preparation: Substrate should be prepared according to Matthews Substrate Preparation Guide prior to topcoat application.

Mix Ratio:



Kit Mix Ratio (by volume). Using the entire kit at one time is recommended.

| | Clear | Catalyst | Reducer* | Total RTS Quantity |
|-------------------|-------------------------------|--|-------------|--------------------|
| Gallon Kit | Entire contents of gallon can | + Entire contents of can (7.42 fl oz.) | + 22 fl oz. | = 150 fl oz. |
| Quart Kit | Entire contents of quart can | + Entire contents of can (1.86 fl oz.) | + 6 fl oz. | = 38 fl oz. |

Choose VOC MAP reducer. Where VOC limits of 2.8 or less are not required, Matthews conventional reducers can be used.

Low VOC Reducer

- 6300SP/01 Cool temperature, 60 - 75°F (16 - 24°C)
- 6301SP/01 Warm temperature, 70 - 85°F (21 - 29°C)
- 6302SP/01 Hot temperature, 80°F (27°C) & above

Exempt Reducer

- 6370SP/01 Cool temperature, 60 - 75°F (16 - 24°C)
- 6371SP/01 Warm temperature, 70 - 85°F (21 - 29°C)
- 6372SP/01 Hot temperature, 80°F (27°C) & above

NOTE: Larger jobs may require a hotter temperature reducer.



Pot Life: 4 hours

Pot-life is the amount of time before spray viscosity doubles. These are estimates based on lab results at 50% relative humidity, 70°F/21°C—results will vary based on application conditions and reducer selection.

Note: mix no more product than can be used within pot life.

Additives:



None

Spray Set Up:



Air Pressure: Conventional: 40 - 50 psi at the gun*
 HVLP: 10 psi at the cap*
 * Refer to spray gun manufacturer recommendations for inlet pressure.



Pressure Pot Fluid Delivery: 8 - 12 Fluid Ounces per Minute



Gun Set Up: Siphon Feed: 1.4 - 1.8 mm 0.055 - 0.0708 fluid tip
 HVLP: 1.4 - 1.8 mm 0.055 - 0.0708 fluid tip
 Pressure Pot: 1.0 - 1.2 mm 0.039 - 0.047 fluid tip

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Directions for Use

Application:



Apply:

Apply two full wet coats, allowing proper flash time* between coats. Apply additional coats as necessary to achieve total dry film thickness.

*Flash times will vary dependent upon film thickness, temperature, solvent selection, spray gun set-up, application, etc.

Recommended
Film Thickness:

| | Per Coat | Total |
|--------------------------|----------------|----------------|
| Wet Film Thickness (WFT) | 2.5 - 3.7 mils | 5.1 - 7.5 mils |
| Dry Film Thickness (DFT) | 0.8 - 1.1 mils | 1.5 - 2.2 mils |

Caution: All 2-component crosslinking slows significantly at temperatures below 60°F or 16°C. Never spray or subject freshly painted coatings to these conditions or loss of gloss, decreased durability and improper curing can occur.

Estimated Drying Times:



Air-Dry @ 50% Relative Humidity, 70°F/21°C

| | |
|---------------|-------------|
| Dust Free | 15 min |
| Dry to Touch | 1 hour |
| Dry to Handle | 12-16 hours |

Recoating: Paint films cured over 24 hours should be cleaned, lightly dry scuff sanded with 320 – 400g by hand/machine or wet sanded with 600g, then cleaned again before recoating.

Force Dry: Allow 30 minute purge before baking to prevent solvent popping. Bake for 40 minutes at 140°.

Equipment Cleaning:

Clean equipment promptly with any low VOC all-purpose cleaning solvent. Acetone should be used for cleanup in environmentally regulated areas.

Note: Do not leave mixed material in equipment.

Technical Data:

VOC Information (with Exempt Reducers)

| | |
|---|--------------|
| VOC Actual RTS | 7.24 lbs/gal |
| VOC Actual RTS | 867 g/L |
| VOC Regulatory (less water less exempt) RTS | 1.25 lbs/gal |
| VOC Regulatory (less water less exempt) RTS | 150 g/L |

VOC Information (with Low VOC Reducers)

| | |
|---|---------------------|
| VOC Actual RTS | 7.06 - 7.24 lbs/gal |
| VOC Actual RTS | 846 - 867 g/L |
| VOC Regulatory (less water less exempt) RTS | 2.12 - 2.13 lbs/gal |
| VOC Regulatory (less water less exempt) RTS | 254 - 255 g/L |

Note: Where VOC limits of 2.8 or less are not required, Matthews conventional reducers can be used.

For complete VOC information, visit MatthewsPaint.com > Quick Links > VOC Data

Performance Characteristics

| | |
|---|---|
| Volume solids (RTS) | 29.88% |
| Theoretical Coverage (1 mil @ 100% transfer efficiency) | 479 sq.ft./RTS gal |
| Application Conditions - Temperature | 60°F (16°C) Minimum 100°F (38°C) Maximum |
| Application Conditions - Relative Humidity | 85% maximum 5° above dew point |

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**Super Satin
Clear Kit**

Important: 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 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.

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

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION - US (412) 434-4515; CANADA (514) 645-1320; Mexico 01-800-00-21-400
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