



Technical Data Sheet



Auto Air Colors Water-Based Acrylic Resin VOC 27.7 g/l

Description

Auto Air Colors are water-based, acrylic colors made with an exterior-grade resin and light-fast, automotive-grade pigments. Colors are made with a transparent resin that appears milky in solution and dries to a clear, semi-gloss finish.

Auto Air Colors consist of a wide range of color types: graphic colors, metallic colors, pearl flakes, candy colors and special FX colors.

Colors, especially metallics and pearl-flakes, may appear phased (settled) in the bottle. Paint will mix back into solution after initial shaking.

Mixing & Diluting

Auto Air Colors are best used as an acrylic – urethane paint created by mixing colors with 4030 Balancing Clear. Adding 4030 to colors improves flow while spraying, and adhesion, leveling and mar resistance after paint has cured. Dry times and other information in the Hard-Surface & Automotive Application Guide are set with 4030 added to colors.

Mix colors 10% per volume with 4030 Balancing Clear, then thin mix 5% - 10% per volume with 4011 Reducer.

- AutoBorne Sealers are not mixed with 4030 Balancing Clear, only thin with 4011 Reducer.
- candy₂O has unique set-up and mix recommendations, refer to candy₂O Tech data Sheet for mix ratios & set-up
- 4104 Quicksilver & 4105 Gold Chrome are not reduced. Spray these colors direct from the bottle.
- Reduction for airbrush is generally 10% – 20% per volume with 4011 Reducer.

Application

Refer to Createx Hard-Surface & Automotive Application Guide for complete information.

1. Start with AutoBorne Sealers.
 - Spray-gun: 1.2 – 1.4mm tip-size~ 1.2 – 1.8 bar
 - Airbrush: 0.5mm tip-size ~ 1.7 – 2.0 bar

- Apply 3 - 4 medium coats for complete coverage.
- Allow colors to dry matte before next coat.
- Refer to AutoBorne Sealer TDS for more info.

2. Apply Auto Air Colors

- Spray-Gun: 1.2 – 1.3mm tip-size ~ 1.4 – 1.7 bar
- Airbrush: 0.3mm – 0.5mm, 1.4 – 2.4 bar
- Allow colors to dry matte before next coat.

3. Top-coat with a durable clear

- After colors have dried for a minimum of 1-hour, apply a durable clear.
- Auto Air Colors are compatible with virtually any clear type, solvent-based & water-based.
- Automotive: apply a catalyzed (2k), urethane, solvent-based clear.
- Other interior & exterior paintjobs: apply Createx UVLS Clears or other clear type.

Auto Air Colors have excellent flexibility. A flex additive is not required.

No time windows. Auto Air colors can be top-coated with other colors or clear anytime after adequate drying. Sanding is not required for adhesion of top-coated color or clear.

After drying, clean colors with solvent-based degreaser or odorless mineral spirits.

Products

Transparent Colors

Translucent graphic colors best used for applying over a base color. Same as standard Wicked Colors.

Mix & Spray Basics:

1. Add 4030 Balancing Clear 10% per vol., then
 2. Thin with 4011 Reducer 5% - 10% per vol.
 - Spray-Gun: 1.2 – 1.3mm tip ~ 1.4 – 1.7 bar
 - Airbrush: 0.3mm – 0.5mm tip ~ 1.4 – 2.4+ bar
- Add 4011 Reducer in greater amounts for smaller tip-sized airbrushes up to 25% per volume.



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Fluorescent Colors

Bright, vivid neon colors which are in an excited state. Fluorescent colors are not lightfast. Colors will eventually fade, allowing the underlying base color to be visible.

Although fluorescent colors are most often applied over a white base color for brightest value, applying over a color-keyed base color will hide fade. This method is recommended to prolong fluorescent color life used in exterior paintjobs.

- For example, apply 4261 Fluorescent Yellow over 6004 AutoBorne Sealer Yellow.
- Applying Createx UVLS Clear over fluorescent color added color protection to further prolong color life.

Mix & Spray Basics:

1. Add 4030 Balancing Clear 10% per vol., then
 2. Thin with 4011 Reducer 5% - 10% per vol.
- Spray-Gun: 1.2 – 1.3mm tip ~ 1.4 – 1.7 bar
 - Airbrush: 0.3mm – 0.5mm tip ~ 1.4 – 2.4 bar
- Add 4011 Reducer in greater amounts for smaller tip-sized airbrushes up to 25% per volume.

Semi – Opaque Colors

Colors cover opaque in 2 – 3 coats.
Best used for base colors, not fine-line airbrushing.

Mix & Spray Basics:

1. Add 4030 Balancing Clear 10% per vol., then
 2. Thin with 4011 Reducer 5% - 10% per vol.
- Spray-Gun: 1.2 – 1.3mm tip ~ 1.4 – 1.7 bar
 - Airbrush: 0.5mm tip ~ 1.4 – 2.4+ bar

Aluminum Colors

4101 Aluminum Fine, 4012 Medium and 4013 Coarse are actual aluminum flake colors best applied over a base of 6013 AutoBorne Silver Sealer. 6013 silver Sealer contains small aluminum particles to “hide” any uneven orientation after aluminum colors are applied, which is common as colors are rough-cut shards of aluminum.

- 4102 is the base color for candy2o references.
- 4101 Aluminum Fine mixes well with Transparent Colors for automotive pearl colors.

Mix & Spray Basics:

1. Add 4030 Balancing Clear 10% per vol., then
 2. Thin with 4011 Reducer 5% - 10% per vol.
- Spray-Gun: 1.2 – 1.3mm tip ~ 1.4 – 1.7 bar
 - Airbrush: 0.5mm tip ~ 1.4 – 2.4+ bar
- 4101 Fine can be airbrushed with a 0.3mm tip-size.

4104 Quicksilver & 4105 Gold Chrome

4104 is billet silver and 4105 billet gold. Each color has incredible adhesion, capable of being applied direct to many substrates without the need for an adhesion promoter.

- Colors mimic chrome, but are not a true chrome.
- Excellent for cosplay. Colors are durable, with excellent adhesion, mar resistance and flexibility.
- Anodized candy colors – apply candy2o over 4104

For best reflectivity, apply over a gloss base

- Gloss white: brightest value
- Gloss black: darker value

Colors have incredible coverage. A little goes a very long way. Actual coverage is hard to determine, but 1oz. should cover ~ 2 square feet.

Apply colors as a very light mid-coat, allowing the reflective base color to still be visible. Apply in light coats, with ~ 25% coverage per coat. 4104 & 4105 do not cover complete, build until a reflective color is achieved, then stop. Too much material will lose the chrome effect, lighter is better with these colors.

4104 & 4105 do not have to be top-coated with a clear; colors are durability with excellent mar resistance.

Top-coat colors with a gloss clear for enhanced reflection, which better mimics chrome.

Allow 1 hour minimum before applying clear. Allowing excess dry time of at least 4 hours works best for most reflective effect.



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Pearlized Colors

Pigmented, pearlescent graphic colors that cover semi-opaque. For an even-orientated brilliant pearl, apply over a color-keyed AutoBorne Sealer.

- Apply 4301 Silver over 6013 Silver Sealer
- Apply 4303 Gold over a base of 6004 Sealer Yellow mixed 1:1 6011 Sealer Tan

Mix & Spray Basics:

1. Add 4030 Balancing Clear 10% per vol., then
 2. Thin with 4011 Reducer 5% - 10% per vol.
- Spray-Gun: 1.3mm tip ~ 1.2 – 1.5 bar
 - Airbrush: 0.5mm tip ~ 1.4 – 2.4+ bar

Metallic Colors

Metallic mica flake colors and pigmented mica that cover semi-opaque. For an even-orientated brilliant pearl, apply over a color-keyed AutoBorne Sealer.

- Apply 4332 Silver and 4337 Blue Silver over 6013 Silver Sealer.
- Apply 4333 Gold and 4349 actress Gold over a base of 6004 Sealer Yellow mixed 1:1 6011 Sealer Tan

Mix & Spray Basics:

1. Add 4030 Balancing Clear 10% per vol., then
 2. Thin with 4011 Reducer 5% - 10% per vol.
- Spray-Gun: 1.3mm tip ~ 1.2 – 1.5 bar
 - Airbrush: 0.5mm tip ~ 1.4 – 2.4+ bar

Hi-Lite interference Colors

Accent pearls best applied as a tri-coat pearl over a pearlescent or metallic base. Hi-Lites are very soft pearls that are not visible on side-cast views.

- Mimic the soft, subtle pearl glow of fish-scale
- Best used to accentuate a color-keyed base color for added effect in direct light.
- Apply as a light drop-coat, with 2x the distance from the surface and a 0.4 bar drop from what other colors are sprayed at.
- Concentrated, apply in very spaying amounts. Extending with 4004 Transparent Base assists with application as an accent with minimal build-up.
- Effect is not visible until after gloss clear is applied.

Mix & Spray Basics:

1. Add 4030 Balancing Clear 10% per vol., then
 2. Thin with 4011 Reducer 5% - 10% per vol.
- Spray-Gun: 1.2 – 1.3mm tip ~ 1.4 – 1.7 bar
 - Airbrush: 0.3mm – 0.5mm tip ~ 1.4 – 2.4+ bar

Hot Rod Sparkle

Large pearl flakes in a transparent base. Colors have noticeable pearl effect close to metal-flake.

- Apply as mid-coat over color-keyed base color.
- Mix with candy2o for candy-pearl colors.
- Clean pearl white: apply 4501 Hot Rod sparkle White over 6001 Sealer White.

Mix & Spray Basics:

1. Add 4030 Balancing Clear 10% per vol., then
 2. Thin with 4011 Reducer 5% - 10% per vol.
- Spray-Gun: 1.2 - 1.3mm tip ~ 1.4 – 1.7 bar
 - Airbrush: 0.5mm tip ~ 1.7 – 2.4+ bar

Cosmic Sparkle

Small pearl flakes, also referred to as Xirallic® pearls. Cosmic pearls are 8-sided crystalline pearls that orientate evenly and have a much more subtle, "OEM" style pearl compared to Hot Rod Sparkle.

- Apply as mid-coat over color-keyed base color.
- Mix with candy2o for candy-pearl colors.

Mix & Spray Basics:

1. Add 4030 Balancing Clear 10% per vol., then
 2. Thin with 4011 Reducer 5% - 10% per vol.
- Spray-Gun: 1.2 – 1.3mm tip ~ 1.4 – 1.7 bar
 - Airbrush: 0.3mm – 0.5mm tip ~ 1.4 – 2.4+ bar

Sparklescent Colors

Transparent, pearl-flake colors that mimic the finish of a candy-pearl finish. Best applied over a color-keyed a AutoBorne Sealer base.

Mix & Spray Basics:

1. Add 4030 Balancing Clear 10% per vol., then
 2. Thin with 4011 Reducer 5% - 10% per vol.
- Spray-Gun: 1.2 – 1.3mm tip ~ 1.4 – 1.7 bar
 - Airbrush: 0.5mm tip ~ 1.7 – 2.4+ bar



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4004 Transparent Base

The colorless resin base to Auto Air Colors. Add to extend paint for increased transparency while maintaining a higher viscosity compared with thinning with excess amounts of 4011 Reducer.

Drying times and Humidity

Estimated drying and curing times are set at 21 °C and 65% or less relative humidity (RH). Allow for extended drying and curing when painting in colder temperatures or more humid conditions.

Re-coat times are approximately 10 – 15 minutes.

Time to top-coating with a final clear should be 60 minutes at a minimum. Full cure is ~ 48 hours after colors dry.

Refer to Createx Hard-Surface & Automotive Application guide for complete application information.

High Temperature Painting

Suitable for applications over 2200 °C. When painting engine parts or any high heat surface, apply a high-heat self-etching primer followed by AutoBorne Sealer.

Compatibility

Colors are compatible with all other Createx paints & clears and generally compatible with any other type of water-based and solvent-based paint. When using Auto Air Colors with solvent-based paints & clears, allow each to cure, (dry thoroughly for an extended period of at least 1 hour), prior to applying the next paint-type. Water-based and solvent-based may only be inter-coated, not directly mixed.

Cleaning from Airbrush or Spray-Gun

Auto Air Colors are best rinsed from the airbrush or spray-gun with 4011 Reducer or 5618 Cleaner.
- Use 4008 Restorer to clean metallic parts of dried & cured paint. Rinse with water after using 4008.

Cleaning Auto Air Colors

Auto Air Colors should only be cleaned after the paint has thoroughly dried, best 48 hours. Use a solvent-

based degreaser or odorless mineral spirits to clean Auto Air Colors. Water-based cleaners and/or alcohol-based cleaners are not recommended.

Pot-Life & Storage

Auto Air Colors do not have a pot-life. Store air-tight in a cool, dry environment away from direct light. Keep capped air-tight when not pouring paint. Fresh air promotes curing of paint at the surface level.

Long-term storage of paint is affected after mixing with reducer. Only reduce paint intended for use over a few weeks. Adding reducer promotes curing and accelerates drying when exposed to fresh air.

Over-reduced paint, that is paint mixed with reducer past 10% per volume, should only be stored for a few days. Long term storage is questionable.

Health & Safety

Use in a well-ventilated area. Avoid contact with eyes. Wash hands thoroughly with soap and warm water after use. Do not ingest. When spraying or sanding, use a properly-fitting respirator per the manufacturer's instructions. Eye contact: Rinse with clean water for 15 minutes. Seek medical attention. Inhalation: Use in well ventilated areas and wear a respirator.

Refer to Auto Air Colors SDS for additional information.

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