



Technical Data Sheet



candy₂O Water-Based Aniline Dyes VOC 27.7 g/l

Description

candy₂O are concentrated in the bottle and intended for mixing with 4050 UVLS Gloss Clear or 4030 Balancing Clear to create a sprayable color.

Aniline dyes appear dark in solution (in the bottle). candy₂O dry matte after initial application, and appear transparent and vibrant after top-coating with a gloss clear such as Createx 4050 UVLS Gloss Clear.

NOT LIGHTFAST! Aniline dyes are fugitive and will lose color due to exposure to direct light.

Mixing & Diluting candy₂O

candy₂O is intended for mixing with 4030 Balancing Clear or 4050 UVLS Gloss Clear to achieve a stable candy color with resin for adhesion and coating formation.

4030 is the original candy₂O mix-additive and still works well for airbrushing. 4050 is an excellent carrier for candy₂O; the mix stays uniform in suspension for even color formation during application. 4050 is especially beneficial when applying candy₂O with a spray-gun.

STRAIN BEFORE USING! Always pour candy₂O through a strainer before using. Sediment (dye & dried resin) may form in solution.

Mix Ratios

Airbrush: Mix 4030 Balancing Clear or 4050 Gloss Clear 10% per volume up to equal parts with candy₂O.
- candy₂O is airbrushed in a more concentrate mix compared to spray-gun use.

Spray-Gun: Mix 4050 Gloss Clear 6:1 candy₂O, then thin, if necessary, 5% - 10% per volume with 4011 Reducer. Thinning is optional, not required.

4011 Reducer is the standard thinner for Createx paints including candy₂O.

Allow mix 10 minutes to acclimate before spraying for optimum performance (flow & leveling).

Tip Sizes & PSI Settings

- Airbrush: Any Tip Size, generally 1.0 – 2.0 bar
- Mini Spray-Gun: 0.8mm – 1.2mm tip, +/- 1.2 bar inlet
- Spray-Gun: 1.2 - 1.3mm tip, +/- 1.4 bar inlet

Spray-Gun Application Tips

Use 4050 Gloss Clear as carrier/ medium for mixing. Start with a less concentrate mix ratio of 6:1 (or 8:1), after a few coats when colors are starting to saturate (cover), then switch to a more-concentrated mix to finish, ex. 4050 3:1 candy₂O.

Lessen candy₂O's concentration by mixing in greater amounts with 4050 Gloss Clear; do not exceed 10% per vol. with 4011 or 4013 Reducer. Thinning with a reducer is optional and often not needed when painting with a full-sized spray-gun.

Drying Times

Estimated drying and curing times are set at 700F and 65% or less relative humidity (RH). Allow for extended drying times in colder or humid conditions.

- Re-coat: 10 – 15 minutes in-between coats.
- Top-coat with a clear: 1 hour after last coat candy₂O
- Use air flow, not heat, to assist drying.
- Final cure is 48+ hours after application.
- A quicker time to clear is achieved by extending re-coat times. Applying candy₂O over a fresh coat of candy₂O that has not thoroughly dried can create mapping (visual imperfections) in the finish as well as prolong final cure times.

“Lock Down” Dyes with 4040 Bleed Checker

candy₂O's dyes will leach (bleed) into top-coated colors & clears. 4040 Bleed Checker prevents this.

- Apply 2 coats of 4040, with 10 – 15 minutes drying in-between coats.
- Wait 30 – 60 minutes after applying 4040 before applying top-coated color or clear.



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Taping & Masking

When applied as specified, candy₂O may be taped on direct after 60 minutes air drying.

- If painting in high humidity, concentrated candy₂O mixes or otherwise less than ideal drying conditions, apply 4040 Bleed Checker prior to taping.
- Use a vinyl or wax tape, avoid crepe-paper tapes.

Base Coats for Candy Mid-Coat Finishes

- 4102 Aluminum for standard candy color
- 4333 Metallic Gold for "candy apple" color
- Apply over 4104 Quicksilver for anodized candy color, 4105 gold Plating for anodized candy apple
- Apply lighter colors such as 4653 Lemon Yellow over 4330 Metallic Fine or 4331 Metallic Coarse for brightest value.
- candy₂O may be applied as a mid-coat over any Createx metallic, aluminum or pearlescent color.
- Each base color creates a different value of candy₂O for a wide variety of finishes.

When applying candy₂O as a mid-coat over a metallic base, applying a "cheater coat" helps achieve uniform application, especially with darker valued candy₂O colors. A cheater coat is a mid-layer between metallic base and candy₂O made by mixing the two together, resulting in a more gradual transition between metallic base and candy. For example, when applying 4665 Brandywine over 4102 Aluminum Medium, a cheater coat would be made by mixing Brandywine and Aluminum Medium (mixing even parts works best) and applying over the Aluminum Medium, then applying Brandywine over the candy-aluminum mix.

Candy-Pearl Colors

Mix candy₂O with Auto Air Pearlescent, Cosmic Sparkle & Hot Rod Sparkle Colors to for candy-pearl colors.

Mix in equal parts candy₂O, pearl-color and 4050 Gloss Clear, then thin 10% per volume 4011 Reducer. Apply over color-keyed AutoBorne Sealer Base or, with darker candy₂O colors, over 6002 Sealer Black.

Anodized Candy Colors

candy₂O together with 4104 Quicksilver makes

excellent anodized candy colors. Anodized candy colors can be made 2 different ways:

- 1) apply candy₂O over 4104 Quicksilver, or
- 2) mixing candy₂O with 4104 Quicksilver and 4040 Bleed Checker in equal parts (1:1:1).

Cleaning

candy₂O is best rinsed from the airbrush or spray-gun with 4011 Reducer. Use soapy, warm water and 4008 Restorer as a rinse for final cleaning.

Pot-Life & Storage

- candy₂O does not have a pot life, even after thinning with 4011 Reducer.
- Store air-tight in a cool, dry environment away from direct light.
- Do not let candy₂O freeze; it will not return to a liquid after thawing. Best stored in temperatures between 5 – 27 °C.

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 fitted 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 when spraying.

Refer to candy₂O SDS for additional information.

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