



Technical Data Sheet



Made in U.S.A.

candy₂O

Water-Based Aniline Dyes
VOC 27.7 g/L Reg.

Edited January 1, 2020 – This tech sheet supersedes any other inconsistent information, including the label.

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. 4013 Reducer is a new thinner which is complaint with jurisdictions including South Coast AQMD Rule 1401. 4013 Reducer can be used as substitute for 4011.

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

Tip Sizes & PSI Settings

- Airbrush: Any Tip Size, generally 15 – 30 psi
- Mini Spray-Gun: 0.8mm – 1.2mm tip, +/- 18 psi inlet
- Spray-Gun: 1.2 - 1.3mm tip, +/- 20 psi 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 70°F 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.

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 40° – 80° F.

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 NIOSH approved respirator per the manufacturer’s instructions.

Eye contact: Rinse with clean water for 15 minutes. Seek medical attention.

Inhalation: Use in in well ventilated areas and wear a NIOSH / MSHA approved respirator when spraying.

Refer to candy2O SDS for additional information.

⚠ WARNING: Cancer - www.P65Warnings.ca.gov
Sunset Magenta, Marine Blue, Ultra Violet, Deep Purple & Brandywine

Manufactured by:



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