



Technical Data Sheet



Made in U.S.A.

candy₂O

Water-Based Aniline Dyes

VOC 27.7 g/L Reg.

Description

candy₂O are dark in solution. After application and top-coating with a gloss clear, candy₂O appear transparent and vibrant. After application and prior to top-coating with a gloss clear, candy₂O appear matte and opaque.

candy₂O are aniline dye colors which continue to build to a darker value the more colors are applied to full saturation.

Mixing & Diluting candy₂O

candy₂O are concentrated in the bottle and are intended for mixing with 4030 to achieve a stable resin load.

- Airbrush: mix 4030 30 – 50% per volume
- Spray gun: mix 4030 1:1 candy₂O or in greater amounts.
 - Dan Gardner of KandyMan Kustoms mixes 4030 2:1 candy₂O, then reduces this mix 10 – 20% per volume with 4011 High Temperature Reducer.
 - 4030 2:1 candy₂O works well when applying candy₂O as a mid-coat over a metallic base.
- After adding 4030 to candy₂O, dilute with 4011 or 4012.
 - 4011 is a better thinner when applying candy₂O with a spray-gun as it allows for a more even color build-up without seeding.
 - Generally, 4011 is a better overall thinner for candy₂O, especially in warmer environments and when applying candy₂O with a spray-gun as a mid-coat. For airbrush, 4012 and 4011 work, although 4011 does help prevent the candy₂O's dyes from seeding, something the 4012 creates when candy₂O is over-reduced.
- After mixing thoroughly, allow candy₂O mix 10 minutes to acclimate to additives before spraying for optimum spray performance, especially when applying with a spray-gun.

Candy Mid-Coats

candy₂O may be applied as a mid-coat over a metallic base. candy₂O color references are applied over 4102 Aluminum Medium (which is applied over 6013 AutoBorne Silver Sealer).

candy₂O may be applied over any Createx pearlescent or metallic base color for a true candy mid-coat finish. For candy apple finishes, apply over a gold base such as 4105 Gold Plating or 4333 Metallic Gold.

Airbrush: 0.35 – 0.5mm ~25 – 30 psi
Spray-gun: 1.1 – 1.2mm tip ~27 – 29 psi
Mini-gun: 0.8 – 1.0mm ~27 – 29 psi

Candy-Pearl Colors

Mix candy₂O direct with Auto Air 4300 Series Pearlescent & Metallic Colors or 4500 Series Colors for custom candy-pearl colors.

candy₂O and pearlescent colors may be mixed in any ratio.

- Mix candy₂O 1:1 Metallic Color for a transparent pearl color. For a more transparent 'candied' pearl, mix candy₂O 2:1 pearlized color.
- For custom metallic colors, add candy₂O 10 – 20% per volume.

Airbrush: 0.5mm ~ 25 – 30 psi
Spray-gun: 1.2mm tip ~ 27 – 29 psi
Mini-gun: 0.8 – 1.0mm ~ 27 – 29 psi

Application Tips

candy₂O's dyes are strong and will leach (bleed) into top-coated colors and clears, even when mixed with pearlescent colors. Stop dyes from bleeding into top-coated colors by applying 4040 Bleed Checker over candy₂O before applying any color or clear other than a catalyzed, urethane clear. Wait 30 – 60 minutes after applying 4040 before applying top-coated colors. Refer to 4040 TDS for more information.

candy₂O needs to be greatly extended when applying with a spray-gun over a large area as an even mid-coat color over a metallic base. Best practice is to use 4030 2:1 candy₂O so color does not build quickly. Use of a proper tip-size is also crucial to achieving atomization, which needs to be dialed in to achieve a uniform, clean candy color. Under-atomized candy₂O will create an uneven finish. Use a 1.1 to 1.2mm tip-size for a full-sized spray-gun.

Apply candy₂O-pearl mixes over a color-keyed AutoBorne Sealer base for quicker coverage and even application. For example, apply a mix of 4650 candy₂O Blood Red and 4316 Pearlized Radiant Red over 6006 AutoBorne Red.

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.

Seeding – candy₂O’s dyes can seed when thinned with 4012 as opposed to 4011. 4012 promotes the agglomeration of the dyes in the paint. Black and dark spots in the candy₂O mid-coat. Use of 4011 instead of 4012 prevents conglomeration of the dyes, as does a generous mix of 4030 with candy₂O. For example, the recommended reduction for using candy₂O with a spray-gun has evolved to 4030 2:1 candy₂O, with this mix being thinned 20% per volume with 4011. candy₂O is concentrated in the bottle; extending greatly and thinning with the slower 4011 instead of 4012 creates a much cleaner candy₂O mid-coat without dark spots that the 4012 can create by seeding the dyes.

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 and
- 2) mixing candy₂O together with 4104 Quicksilver and 4040 Bleed Checker in equal parts (1:1:1). When mixed together, candy₂O and 4104 make an anodized, candy-pearl that hits a color ceiling when fully saturated, making for an easy-to-apply color that sprays like a semi-opaque color.

Drying Times

Estimated drying and curing times are set at 70 degrees F and 65% or less relative humidity (RH). Allow for extended drying times in colder or humid conditions. When painting in humid conditions, mix 4020 with 4011 or 4012 for a cocktailed dilutant. Refer to 4020 TDS for more information.

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 approximately 24 hours after drying.

Cleaning

candy₂O is best rinsed from the airbrush or spray-gun with 4012. Use 4008 Restorer as a rinse for final cleaning.

Pot-Life & Storage

candy₂O does not have a pot life. 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 degrees F. Do not keep candy₂O for long-term storage after adding 4012.

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 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 approved respirator.

Refer to candy₂O SDS for additional information.

⚠ WARNING: Cancer - www.P65Warnings.ca.gov

Sunset Magenta, Marine Blue, Ultra Violet, Deep Purple & Brandywine

Warranty

This product will perform as claimed if directions are followed. Warranty is limited to replacement or refund value of product. No other warranty is expressed or implied.

Manufactured by:



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