



# Technical Data Sheet



Made in U.S.A.

## candy<sub>2</sub>O

Water-Based Aniline Dyes

VOC 27.7 g/L Reg.

### Description

candy<sub>2</sub>O are dark in solution. After application and top-coating with a gloss clear, candy<sub>2</sub>O appear transparent and vibrant. After application and prior to top-coating with a gloss clear, candy<sub>2</sub>O appear matte and opaque.

candy<sub>2</sub>O are aniline dye colors which continue to build to a darker value the more colors are applied to full saturation.

### Mixing & Diluting candy<sub>2</sub>O

candy<sub>2</sub>O 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 candy<sub>2</sub>O or in greater amounts. Dan Gardner of KandyMan Kustoms mixes 4030 2:1 candy<sub>2</sub>O, then reduces this mix 10 – 20% per volume with 4011 High Temperature Reducer.
- 4030 is a polyurethane resin and may be added to candy<sub>2</sub>O in any ratio.
- Adding 4030 to candy<sub>2</sub>O does increase transparency.

After adding 4030 to candy<sub>2</sub>O, dilute with 4012.

Add 4012 5 – 10% per volume to the candy<sub>2</sub>O / 4030 mix.

After mixing thoroughly, allow candy<sub>2</sub>O mix 10 minutes to acclimate to additives before spraying for optimum spray performance, especially when applying with a spray-gun.

### Candy Mid-Coats

candy<sub>2</sub>O may be applied as a mid-coat over a metallic base. candy<sub>2</sub>O color references are applied over 4102 Aluminum Medium (which is applied over 6013 AutoBorne Silver Sealer).

candy<sub>2</sub>O 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 candy<sub>2</sub>O direct with Auto Air 4300 Series Pearlescent & Metallic Colors or 4500 Series Colors for custom candy-pearl colors.

candy<sub>2</sub>O and pearlescent colors may be mixed in any ratio.

- Mix candy<sub>2</sub>O 1:1 Metallic Color for a transparent pearl color. For a more transparent ‘candied’ pearl, mix candy<sub>2</sub>O 2:1 pearled color.
- For custom metallic colors, add candy<sub>2</sub>O 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

candy<sub>2</sub>O’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 candy<sub>2</sub>O 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.

candy<sub>2</sub>O 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 candy<sub>2</sub>O 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 candy<sub>2</sub>O will create an uneven finish. Use a 1.1 to 1.2mm tip-size for a full-sized spray-gun.

Apply candy<sub>2</sub>O-pearl mixes over a color-keyed AutoBorne Sealer base for quicker coverage and even application. For example, apply a mix of 4650 candy<sub>2</sub>O Blood Red and 4316 Pearled Radiant Red over 6006 AutoBorne Red.

When applying candy<sub>2</sub>O as a mid-coat over a metallic base, applying a “cheater coat” helps achieve uniform application, especially with darker valued candy<sub>2</sub>O colors. A cheater coat is a mid-layer between metallic base and candy<sub>2</sub>O 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.

### **Anodized Candy Colors**

candy<sub>2</sub>O together with 4104 Quicksilver makes excellent anodized candy colors. Anodized candy colors can be made 2 different ways:

- 1) apply candy<sub>2</sub>O over 4104 Quicksilver and
- 2) mixing candy<sub>2</sub>O together with 4104 Quicksilver and 4040 Bleed Checker in equal parts (1:1:1). When mixed together, candy<sub>2</sub>O 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 4012 for a cocktail dilutant. Refer to 4012 or 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**

candy<sub>2</sub>O is best rinsed from the airbrush or spray-gun with 4012. Use 4008 Restorer as a rinse for final cleaning.

### **Pot-Life & Storage**

candy<sub>2</sub>O does not have a pot life. Store air-tight in a cool, dry environment away from direct light. Do not let candy<sub>2</sub>O freeze; it will not return to a liquid after thawing. Best stored in temperatures between 40 – 80 degrees F. Do not keep candy<sub>2</sub>O 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 candy<sub>2</sub>O SDS for additional information.

⚠ WARNING: Cancer - [www.P65Warnings.ca.gov](http://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.

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