

#### DESCRIPTION

Ronan's Japan Colors are finely ground, lead-free, semi paste colors. This traditional product dries quickly to a flat finish. Japan Colors have a wide range of graphic arts, scenic painting and other professional artist uses. They make ideal toners for flat paints and may be added to oil based gloss paints to create a semi-gloss finish. Also used for lettering, striping and stenciling.

#### SURFACE PREPARATION

All surfaces must be clean, free from loose or peeling paint, grease, oil, dirt, rust, mill scale and other contaminants. If this procedure is not observed, the drying and adhesion of any coating will be adversely affected.

**Previously Painted Surfaces:** Dull gloss areas by light sanding to enhance adhesion. If necessary, prime with Ronan Sticktite White or Prime-All.

**Wood Surfaces:** Clean surface to eliminate oil, grease and other contaminants. Prime with Ronan Prime-All.

**Metal Surfaces:** Remove loose rust and scale with a wire brush, steel wool and/or sandpaper. All oil, grease and contamination must be removed. Acidic or alkaline surfaces should be neutralized. Prime with Ronan Universal Primer.

**Galvanized Metal and Aluminum:** Surface should be wiped with solvent to remove oil and grease. A mild solution of phosphoric acid should be used for etching to assume a good bond. If acids are not available slight surface sanding will be beneficial. Prime with Ronan Universal Primer.

**Concrete:** A white powdery deposit (efflorescence), often found on concrete and masonry surfaces should be completely removed with a stiff wire brush. New concrete should set four (4) to six (6) weeks before coating. All concrete surfaces should be etched with a solution of four (4) parts water to one (1) part muriatic acid. Let solution soak on surface for 15 minutes before rinsing with clean water. Allow 48 hours to dry before painting. Primer with Ronan Prime-All.

**MDO Plywood:** Clean surface to eliminate oil, grease and other contaminants. Prime face with Prime-All. All edges should be puttied and then primed with two coats of Ronan Prime-All.

**Masonite:** Clean surface to eliminate oil, grease and other contaminants. Prime with Prime-All.

#### APPLICATION

Follow surface preparation instructions. Stir thoroughly before use. May be brushed or rolled. If using on exterior surfaces, the use of a protective clear topcoat is recommended. When topcoating with any protective clear, always test a small area first to determine compatibility and ensure the clear won't lift or discolor the Japan Color.

#### THINNING

Japan Colors are packaged in a semi-paste form. Observe all applicable VOC laws. Whether this material can be thinned depends on the end use process and regional/local VOC limits. If thinning is appropriate, use Mineral Spirits. Excessive thinning will cause the pigment to separate. When making stains, add 5-10% Sign Finishing Clear to the Japan Color/Solvent mixture.

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## JAPAN COLORS

<b>TINTING</b>	All Ronan Japan Colors may be intermixed to create new shades, tints and tones. May be tinted with up to 4 ounces per gallon of most universal colors.
<b>CLEAN UP</b>	Mineral Spirits
<b>DRY TIMES</b>	At 70°F and 50% relative humidity, Japan Colors will be dry to touch in one (1) hour. Wait two (2) hours to handle and eight (8) hours to recoat. Wait a full 24 hours for a full cure. Dry times may take longer in cooler and/or more humid conditions.
<b>APPLICATION CONDITIONS</b>	Minimum temperature: 50°F Maximum temperature: 95°F Maximum humidity: 90% At all temps, adequate ventilation is required for the protection of the applicator due to the volatility of the solvents in the material.
<b>FINISH</b>	Flat
<b>WEIGHT PER GALLON</b>	Varies by color, 9.8-13.8 lbs (approximate)
<b>SOLIDS %</b>	Varies by color, 69-84% by weight
<b>VISCOSITY</b>	90-95 KU at 75°F
<b>THEORETICAL COVERAGE</b>	Approximately 400 square feet at 4 mils wet
<b>SPREAD RATE</b>	642 square feet @ 1 mil dry
<b>FLASH POINT</b>	105°F
<b>PACKAGING</b>	US Quart (32 fl oz), 6/case US Half Pint (8 fl oz), 24/case
<b>STORAGE TEMPERATURE</b>	Minimum: 50°F Maximum: 95°F
<b>SHELF LIFE</b>	Two (2) years
<b>VOC INFO</b>	Varies by color but will not exceed 450 grams/liter
<b>CAUTIONS</b>	Read Safety Data Sheet and/or all warnings on the label before handling or using this product.
<b>PRODUCT WARRANTY</b>	All recommendations for the use of Ronan products are based on tests and experience believed to be reliable. It is the responsibility of the purchaser to determine the suitability of this product for its intended use. Since the methods of use, conditions of application and the application itself are beyond the manufacturer's and seller's control, product warranty is restricted to replacement of defective materials only. No other warranty, written or oral, is expressed or implied.
<b>REVISION DATE</b>	July 1, 2018