



RAINBOW

BAKING VARNISH

PRODUCT NUMBER	1106
TYPE	The varnish based on short-oil alkyd resin and melamine resin.
USES	Used for the colored baking enamels.
CHARACTERISTICS	<ol style="list-style-type: none">1. Tough film and smooth appearance2. Excellent adhesion and abrasion resistance.3. Excellent weather resistance and gloss and color retention.4. Excellent resistance to oils, solvents and pollution.5. Excellent resistance to water and chemicals such as salts, acids, alkalis etc.
COLOR	Clear liquid
MASS DENSITY	Above 0.9 Kg/L
HARDNESS	Above 26 (Sward)
CROSS-CUT TEST	Adhesive rate 100/100 based on sample piece of one square millimeter scratch
IMPACT RESISTANCE TEST	$\phi 12.5 \text{ mm} \times 0.3 \text{ kg} \times 50 \text{ cm} \times 0.8 \text{ mm}$ steel : no cracks (120°C×30 minutes)
BENDING TEST	0.24 mm steel, $\phi 3\text{m/m}$: pass (120°C×30 minutes)
VISCOSITY	2.0~4.0 Poise (25°C)
DRYING TIME	Dry hard 30 minutes (120°C)
OPTIMUM FILM THICKNESS	Wet 45 microns Dry 25 microns
THEORETICAL COVERAGE	84.0 m ² /Gal 22.2 m ² /L 21.9 m ² /Kg
VOLUME SOLIDS	Above 56%
THINNER	No.1112 Baking Enamel Thinner (or Xlylene)
THINNER RATE	15~25% (cleaning tools excluded)
PRECEDING COATS	Rainbow Brand Colored baking enamels
STORAGE SHELF LIFE	Minimum 1 year under normal storage conditions.
APPLICATION METHOD	Spray, Electrostatic Spray, Dipping.
NOTE	<ol style="list-style-type: none">1. Use specified thinner to dilute the paint to reach standard spraying viscosity (Ford cup #4) 16± 2 seconds.2. Adhered moisture, grease and dust on the substrate must be cleaned thoroughly.3. After applying, keep static about 10~15 minutes in room temperature, until the solvent within paint film vaporizes thoroughly, and then baking in accordance with baking temperature and time. (Standard baking temperature and time : 120± 5°C, 30 minutes)

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