



# RAINBOW

## BAKING ENAMEL

PRODUCT NUMBER	1101 / 1102 / 1104 / 1117 / 1119
TYPE	The low temperature baking enamel based on short-oil alkyd resin and melamine resin with weather resistant pigment.
USES	Used for vehicles, agricultural machineries, electronic ware, steel furniture and general tools etc.
CHARACTERISTICS	<ol style="list-style-type: none"><li>1. Tough film and smooth appearance.</li><li>2. Excellent adhesion and abrasion resistance.</li><li>3. Excellent weather resistance and gloss and color retention.</li><li>4. Excellent resistance to oils and solvents.</li><li>5. Excellent resistance to water and chemicals such as salts, acids, alkalis etc.</li></ol>
GLOSS	Above 90%      No. 1119 : flat
COLOR	Desired colors
HIDING POWER	Above 8.0 $\text{m}^2/\text{L}$ ( depending on colors )
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 STRENGTH	$\phi$ 12.5 mm $\times$ 0.3 kg $\times$ 50 cm $\times$ 0.8 mm steel : no cracks
VISCOSITY	65~75 KU (25°C)
DRYING TIME	Dry hard 30 minutes ( 120°C )
FILM THICKNESS	Wet 90 microns      Dry 25 microns
THEORETICAL COVERAGE	42.0 $\text{m}^2/\text{Gal}$ 11.1 $\text{m}^2/\text{L}$ 12.3 $\text{m}^2/\text{Kg}$
VOLUME SOLIDS	Above 28%
THINNER	No.1112 Baking Enamel Thinner ( or Xylene )
THINNING RATE	20~30% ( Cleaning tools excluded )
SUBSEQUENT COATING	No.1106 Baking Varnish
STORAGE SHELF LIFE	Minimum 1 year under normal storage conditions.
APPLICATION METHOD	Spray, Electrostatic spray.
NOTE	<ol style="list-style-type: none"><li>1. Use specified thinner to dilute the paint to reach standard spraying viscosity ( Ford cup #4 ) <math>16 \pm 2</math> seconds.</li><li>2. Adhered moisture, grease and dust on the substrate must be cleaned thoroughly.</li><li>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 : <math>120 \pm 5^\circ\text{C}</math> , 30 minutes )</li></ol>

EPDM111104XX V1.0

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