



# RAINBOW

## POLYURETHANE COATING, FLAT BLACK (N-TYPE)

PRODUCT NUMBER	731
TYPE	A two-pack, polyurethane coating based on acrylic resin, polyol resin and isocyanate hardener with special black pigment and matting agent.
USES	Used for high class wood products, sewing machine bed, metal products and FRP.
CHARACTERISTICS	<ol style="list-style-type: none"><li>1. Smooth matt surface without glare.</li><li>2. Excellent weather resistance with good color retention.</li><li>3. Excellent resistance to water, oils and chemicals.</li><li>4. Excellent adhesion, hardness and abrasion resistance.</li></ol>
FINISH	Flat
COLOR	Black
HIDING POWER	Above 16.7 m <sup>2</sup> /L (mixture)
MASS DENSITY	Above 0.9 Kg/L (mixture)
VISCOSITY	60~80 KU (mixture, 25°C)
DRYING TIME	Set-to-touch 1 hr.                      Dry hard 6 hrs. (25°C).
OPTIMUM FILM THICKNESS	Wet 60 microns                      Dry 30 microns
THEORETICAL COVERAGE	63.2 m <sup>2</sup> /Gal      16.7 m <sup>2</sup> /L      17.9 m <sup>2</sup> /Kg
OVERCOATING INTERVALS	Min. 15 hrs.      Max. 5 days (25°C)
MIXING RATIO	Base : hardener = 84 : 16 (by wt.)
NON-VOLATILE CONTENTS	Above 50% (mixture)
POT LIFE	4 hrs. (mixture, 25°C)
HEAT RESISTANCE	Continuous 93°C      Intermittent 121°C
THINNER	No.736 Polyurethane Thinner
THINNING RATE	10~25% (cleaning tools excluded)
PRECEDING COATS	No.711 Polyurethane Sanding No.733 Polyurethane Zinc Chromate Primer (for metal) Epoxy Primers Series
STORAGE SHELF LIFE	Minimum 1 year under normal storage conditions.
APPLICATION METHOD	1.Spray    2.Brush/Roller (only for hand-type)
NOTE	<ol style="list-style-type: none"><li>1. Mix base and hardener according to the mixing ratio and stir thoroughly.</li><li>2. Adhered moisture, grease, dust on substrate must be removed thoroughly.</li><li>3. Please use special thinner for dilution to avoid causing bubbles or pinholes.</li><li>4. Hardener cover must be tightly closed to avoid reaction with moisture in air to form bubbles and gelation.</li><li>5. Mixture of base and hardener must be used up within pot life.</li><li>6. Strictly controlling application, not to exceed 50 microns per coat, to avoid bubbles formation.</li><li>7. All equipments must be cleaned immediately after use.</li><li>8. The lacquer sanding is not suitable as a primer for this paint.</li><li>9. If change application method from airless spray to brush or roller, please advice our sales representative.</li><li>10. Avoid applying paint in rainy or the moisture above 85% RH, otherwise the adhesion will be affected by moisture of substrate and the paint film will be loss its gloss.</li></ol>

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