



# RAINBOW

## RAINBOW ALL-PURPOSE COATING

PRODUCT NUMBER	500F
TYPE	The multipurpose paint based on the high molecular weight acrylic copolymer resin and chemical resistant, weather resistant pigment.
USES	Used for cement wall, asbestos board, wood, steel, FRP, hard PVC, PS, ABS, acrylic board, tiles, glass, stainless steel, aluminum, galvanized steel etc.
CHARACTERISTICS	<ol style="list-style-type: none"><li>1. Excellent adhesion.</li><li>2. Excellent resistance to acids, alkalis, and solvents.</li><li>3. Excellent resistance to rust, corrosion and fire.</li><li>4. Good weather resistance, exposed to sun without chalking.</li><li>5. Use water as solvent, without pollution and fire danger.</li></ol>
GLOSS	Above 60%
COLOR	17 Colors
HIDING POWER	Above 10.0 m <sup>2</sup> /L
MASS DENSITY	Above 1.0 Kg/L
VISCOSITY	70~100 KU (25°C)
DRYING TIME	Set-to-touch 1 hr.      Dry hard 3 hrs. (25°C · RH: below 60%)
OPTIMUM FILM THICKNESS	Wet 90 microns      Dry 35 microns
THEORETICAL COVERAGE	42.0 ml/Gal      11.1 ml/L
OVERCOATING INTERVALS	Min. 4 hrs.
NON-VOLATILE CONTENTS	Above 30%
THINNER	Tap water
THINNING RATE	0~5%
PRECEDING COATS	Solvent-based anti-rust primer, 500P, No.467 Water-based Penetrating Waterproof Sealer ( No.467 matched with No.467AD used to have better effects. )
STORAGE SHELF LIFE	Minimum 2 years under normal storage conditions.
APPLICATION METHOD	Airless Spray, Brush, Roller.
NOTE	<ol style="list-style-type: none"><li>1. Before application, stir paint evenly, and when paint is too thick, the tap water within specified quantity can be added.</li><li>2. Adhered moisture, grease, and dirt on substrate must be cleaned thoroughly.</li><li>3. Do not apply the paint in rainy day or humid weather.</li><li>4. If want to shorten drying time, keep static about 10 minutes after finish brush or spray applying, then put into oven for baking, the temperature of oven can not exceed 90°C.</li></ol>
1. STEEL SURFACE PREPARATION	Surface must be removed grease and rust thoroughly, or sand blasted up to Sa 2 1/2 for heavy corrosion engineering.
APPLICATION METHOD	Spray, Brush
PAINTING SYSTEM	General: 1. Primer 1 coat (alkyd, CR primer) + topcoat 2 coats (No.500F) or 2. Primer 2~3 coats (epoxy primer) + topcoat 2 coats (No.500F) Heavy: Primer 1 coat (epoxy primer) + topcoat 2 coats (No.500F)
2. STAINLESS SURFACE PREPARATION	Moisture, grease, sludge, rust, corrosive salt, loose paint film must be thoroughly cleaned from substrate.
APPLICATION METHOD	Spray, Brush
NOTE	Thickness of dry paint film can not be exceeded 50 microns per coat, to avoid damage adhesion.
3. FRP SURFACE PREPARATION	Surface must be removed grease and dirt thoroughly, also to be roughened by the sand paper to increase adhesion.
NOTE	The paint cannot be attached on the PP or PE plastics.
4. BAMBOO SURFACE PREPARATION	Surface must be roughened by the sand paper to increase adhesion.
5. OTHER SUBSTRATES	According to general method of application.

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