Fulon Ace FII

PRODUCT DATA SHEET

SELECTION & SPECIFICATION DATA

General Paint Name	Ultra-high weathering-resistant fluorourethane resin paint
Generic Type	Fluorourethane resin
Description	Fluorourethane resin paint with ultra-high weathering resistance. Resistant to UV, water, and salts. Maintains good appearance and corrosion resistance for a long period of time. Recommended for the use for the following; - Public buildings, food industry plants, leisure facilities, railway structures, road infrastructures, etc., where gloss and color retention are desired - Stacks, bridges, towers, tank exterior, etc., where maintenance work can be dangerous and building cost of scaffolding is huge - Cranes, conveyor belts, power facilities, traffic-related facilitied, etc., where operation rates are high and shutdown of facilities is difficult - Where salt damage is severe, removal of natural stains is difficult, beautiful impression is required due to a large number of visitors, etc.
Features	• Ultra-high weathering resistance • Low-polluting, Two-component • Excellent application characteristics
Color	White, Light Colors, and others
Finish	Gloss
Primer	Fulon Ace M, Carbomastic Mighty, etc.
Solid(s) Content	By Volume 40% +/- 2%
Solids Content	By Weight 60% +/- 2%
Mixed Density	1.27 +/- 0.05 g/ cm^3
VOC Values	**As Supplied** : 508 g/ L

Application Method	Dry Film Thickness (microns/coat)	Theoretical Coverage Rate (g/m^2)	Practical Coverage Rate (g/m^2)*
Spray	30	94	170
Brush	30	94	140

*: Practical Coverage Rates are estimates based on average results. Individual results may vary based on several issues including the shape and location of the item being painted as well as environmental conditions like temperature, humidity and wind. The skill level of those applying the paint will also impact the final results. For details, consult Japan Carboline staff.

Wet/ Dry (As Supplied)	2.46
Sag Resistance (Dry)	50 microns
Dry Temp. Resistance	Continuous: 93°C (199°F) Non-Continuous: 121°C (250°F)
Limitations	• Not recommended for immersion services. • This product is moisture-sensitive. Avoid contact with moisture. Do not leave containers open.

SUBSTRATES & SURFACE PREPARATION

General	Generally applied over appropriate intermediate coatings such as "Fulon Ace M." Surfaces must be clean and dry. Remove any oil or grease from surface to be coated with clean rags soaked in an adequate solvent.

MIXING & THINNING

Mixing	Power mix Part A, combine with Part B, then power mix until uniform consistency. In principle, the whole contents in the containers of Part A and B should be mixed together. When using partial kits out of necessity, agitate Part A and B separately, until uniform consistency, use a scale to weigh each part precisely, then combine and power mix until uniform consistency.
Thinning	Use of Fulon Ace FII Thinner or Fulon Ace FII Winter Grade Thinner is recommended. Use of thinners other than those supplied or recommended by JAPAN CARBOLINE may adversely affect product performance.
Ratio	Part A : Part B = 5 : 1 (by weight)
Pot Life	5°C: 12 hours 10°C: 10 hours 20°C: 6 hours 30°C: 3 hours

APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

Application Tool	Airless spray, Brush
Airless Spray	• Pump Ratio: 30 : 1 • Output Pressure: 10-15 MPa • Tip Size: 0.013-0.017″ • Filter Size: 100 Mesh (if needed) • Thinning: up to 15 weight % • Appropriate Viscosity: 20-40 sec. (IHS cup)

APPLICATION CONDITIONS

Condition	Surface	Ambient	Humidity
Minimum	5°C (41°F)	5°C (41°F)	0%
Maximum	50°C (122°F)	43°C (109°F)	85%

CURING SCHEDULE

Surface Temp.	Dry Hard	Maximum Recoat Time	Minimum Recoat Time
5°C (41°F)	36 Hours	14 Days	36 Hours
10°C (50°F)	24 Hours	10 Days	24 Hours
20°C (68°F)	16 Hours	7 Days	16 Hours
30°C (86°F)	8 Hours	4 Days	8 Hours

Curing schedule is based on 30 micron dry film thickness. Higher film thickness, insufficient ventilation or cooler temperatures will require longer cure times and could result in solvent entrapment and premature failure.

PACKAGING, HANDLING & STORAGE

Shelf Life | 6 months (when kept in original unopened containers)

Storage | Store indoors.

Net Weight	15 kg kit	4 kg kit
Part A	12.5 kg	3.3 kg
Part B	2.5 kg	0.7 kg

Flash Point (Setaflash) | Part A: 22°C
Part B: 24°C
Fulon Ace FII Thinner: 16.5°C
Fulon Ace FII Winter Grade Thinner: 12°C

UPDATE INFORMATION

Last Modified | June, 2022

Control Number | PDS058-012

WARRANTY

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