

SELECTION & SPECIFICATION DATA

General Paint Name	Ultra-high weathering-resistant, high-build fluorourethane resin paint
Generic Type	Fluorourethane resin
Description	High-build 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 facilities, 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	<ul style="list-style-type: none"> • Ultra-high weathering resistance • Low-polluting, Two-component • Can be applied thick, Excellent application characteristics
Color	White, Light Colors, and others
Finish	Gloss
Primer	Fulon Ace M, Carboguard 193 Long, etc.
Solid(s) Content	By Volume 55% +/- 3%
Solids Content	By Weight 72% +/- 3%
Mixed Density	1.40 +/- 0.05 g/ cm ³
VOC Values	As Supplied : 392 g/ L

Application Method	Dry Film Thickness (microns/coat)	Theoretical Coverage Rate (g/m ²)	Practical Coverage Rate (g/m ²)*
Spray	50	128	210 ~ 240
Brush/ Roller	50	128	160 ~ 190

*: 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)	1.80
Sag Resistance (Dry)	80 microns
Dry Temp. Resistance	Continuous: 93°C (199°F) Non-Continuous: 121°C (250°F)
Limitations	<ul style="list-style-type: none"> • Not recommended for immersion services. • This product is moisture-sensitive. Avoid contact with moisture. Do not leave containers open.

Fulon Ace FII HB

PRODUCT DATA SHEET



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 HB 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 = 7 : 1 (by weight)

Pot Life | 5°C: 8 hours
10°C: 6 hours
20°C: 5 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, Roller (medium nap)

Airless Spray |
• Pump Ratio: 30 : 1
• Output Pressure: 12-15 MPa
• Tip Size: 0.013-0.015"
• Filter Size: 100 Mesh (if needed)
• Thinning: up to 15 weight %
• Appropriate Viscosity: 0.8-1.2 dPa·s

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)	48 Hours	10 Days	48 Hours
10°C (50°F)	48 Hours	10 Days	48 Hours
20°C (68°F)	24 Hours	10 Days	24 Hours
30°C (86°F)	16 Hours	7 Days	16 Hours

Curing schedule is based on 50 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	16 kg kit	4 kg kit
Part A	14 kg	3.5 kg
Part B	2 kg	0.5 kg

Flash Point (Setaflash) | Part A: 33°C
Part B: -1°C
Fulon Ace FII HB Thinner: 27°C

UPDATE INFORMATION

Last Modified | May, 2023

Control Number | PDS147-012

WARRANTY

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated.