NIPPON PAINT

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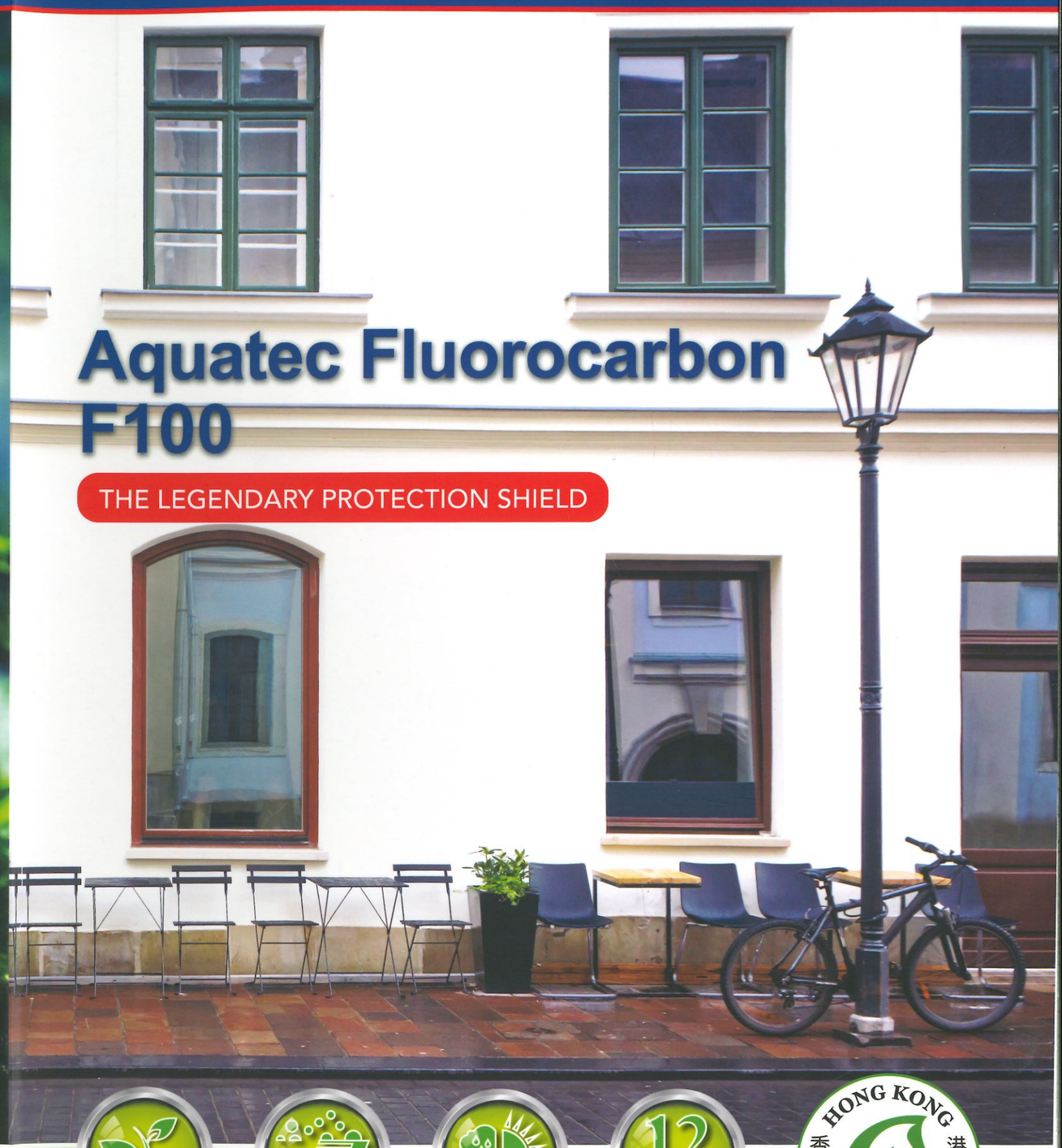
Aquatec Fluorocarbon F100

THE LEGENDARY PROTECTION SHIELD



- Low Odor
- Auto Self Cleaning Feature
- Excellent Weathering Resistance
- 12 Years Lifespan
- HONG KONG 香港 Green Label

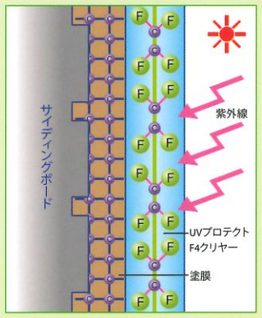
2025/10

Highlight

Water Borne Fluorocarbon is one of the most stable paint in the latest technology with green properties certified by the **Hong Kong Green Label Scheme.**

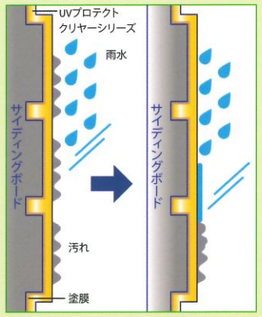
Our Technologies

Long Lasting Dazzling Outlook



The sturdy bonding of fluorocarbon enhances the strength of the film, act as an extra guarding layer on top, keeping the colour brilliantly after years.

Self Cleaning Automation



Tremendously strong cohesion bonding reduce the tiny holes significantly and maximize the efficiency of rain washing self cleaning effort.

F100 Performance Data

Test	Test Method	Results
Water Resistance	JIS K5660 : 2008 7.11	After immersion in water for 96 hours, the gloss retention ratio is 99% and there is no change in the paint film.
Alkali Resistance	JIS K5660 : 2008 7.12	<0.01% charge
Fungus Resistance	ASTM G21-15	Pass
Algae Resistance	ASTM D5589-09	Pass
Washability	JIS K5660 : 2008 7.13	Possible to resist washing for 1000 times
Salt Water Resistance (3000 Hours)	JIS K5400 : 1990 8.23	No damage observed on the paint film.
Heat Resistance	JIS K5660 : 2008 7.14	The gloss retention is 99%
Dirt Resistance	Ref. JIS K5660 : 2008 7.16	5 (Grey Scale)
Humidity and Cool-Heat Cycling Resistance	JIS K5660: 2008 7.14	The gloss retention is 99% and endurable for humidity and cool-heat cycling test
Accelerated Weathering Resistance (2000 Hours)	ASTM G154-16	Gloss retention : 98% 4(Grey Scale) Negligble change in colour when compared to control sample
Water Permeability (ml)	JIS A69009 6.13 (Test Method B)	0

Advantages

Less Effort Needed	Hydrophilic properties allows rain water wash away dirt easily Excellent weathering resistance tolerate less cleaning effort yet look dirt free
The Real Green Product	Certified by Hong Kong Green Label Scheme
Less Future Cost Consumption	Long life span over 12 years, reduce the effort in renovation or repainting (application method and substrate may affect the performance)

Technical Data

Type	Modified Fluorocarbon Resin
Colour	Nippon Paint 1988 Colour Creations
Finish	Matt/ Semi Gloss
Application Method	-Brush -Roller -Airless Spray
Coverage	Theoretical: 0.14 kg/m² Practical: Depends on substrate condition, application method, etc
Dilution	Roller: 0-5% Air Spray: 10 - 20% (Use Tap Water)
Drying Time	Surface Dry: > 2 hours (25°C) Overcoating: > 4 hours (25°C)
Recommended Painting System	-1 coat Nippon Paint Ultra Sealer III -1 coat Nippon Paint Tilelac Texture Base Coat (Optional - For texture finish only) -1 coat Nippon Paint Aquatec Fluorocarbon F100 Mid-Coat -1 coat Nippon Paint Aquatec Fluorocarbon F100
Solid Content	44±4% by volume
Specific Gravity	1.00~1.40
Packing	20 kg
Storage	Microbial contaminants cause paint to spoil. Keep excess paint clean, reseal lid and store in cool and dry place.
Shelf Life	Up to 24 months in sealed original packaging stored at room temperature and shaded place
Precaution	1. Avoid painting when the temperature is below 5°C or the humidity is over 85%. 2. Make surface dry completely. (Moisture content below 6%, or 19 determined by Protimeter and pH value below 10.) 3. For spray application, use a cover to keep the surface away from splashing paint. 4. Please refer to MSDS before using.

Job References

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