

DT-1000 PVDF Paint

DT-1000 Polyvinylidene Fluoride is formulated with a special resin system that incorporates 70% Polyvinylidene Fluoride resin. The product has an excellent balance of weather resistance, abrasion resistance, flexibility and chemical resistance. All these features make it a perfect choice for construction materials.

Product Characteristics

1. Excellent weather ability
2. Excellent chemical resistance and flexibility
3. Warranty (20 years)
4. Limited color choice

Use

1. Roof and building panels
2. Walls
3. Other external cladding

Painting System

Material Type	Painting Composition	Product Title	Coating Thickness	Hardening Temperature
G.I, Galvalume etc	Primer	DP-560	5 μ m	204 $^{\circ}$ C
	Top coating	DT-1000	20 μ m	249 $^{\circ}$ C

※ Backer : DB-890 Epoxy backer applied

Physical properties

Specification	Test method	Result	
ASTM D523	60 $^{\circ}$ gloss	10~35	Gardner 60 $^{\circ}$ meter or equivalent
ASTM D3363	Pencil hardness	F~H	No break in the film (Mitsubishi uni pencil)
ASTM D4145	T-bend	0T	No Crack
ASTM D2794	Impact (1/2in \times 50cm \times 1kg)	Good	No Crack
ASTM D5402-93	Solvent resistance	50 cycle	MEK double rub
ASTM G155	Accelerated weathering test 3,000hrs	Good	No objectionable chalking per ASTM D-4214
ASTM D2247	Humidity resistance 3,000hrs at 100 $^{\circ}$ F, 95% RH	Good	Less than 5% No.8 size blisters
ASTM B117	Salt spray test 1,000hrs 5% NaCl solution	Good	Less than 5% No.6 size

* All data is based on lab test results and experience of NCC but, it could be changed without notice because of continuous development about quality by NCC.