

## DT-300 Silicon Modified Polyester

DT-300 Silicon Modified Polyester is formulated with a silicon modified polyester resin to provide an excellent balance of flexibility and weather resistance. This product is ideal for applications in severe environments where outstanding resistance to weather is required. The coating provides excellent gloss and color retention.

### Product Characteristics

1. Excellent weather ability
2. Excellent workability
3. Various color and gloss

### Use

1. Interior or exterior panel of farm
2. Roofing
3. Industrial facilities
4. Walls

### Painting System

Material Type	Painting Composition	Product Title	Coating Thickness	Hardening Temperature
G.I, Galvalume etc	Primer	DP-600	5 $\mu$ m	204 $^{\circ}$ C
	Top coating	DT-300	20 $\mu$ m	232 $^{\circ}$ C

※ Backer : DB-890 Epoxy backer applied

### Physical properties

Specification	Test method	Result	
ASTM D523	60 $^{\circ}$ gloss	10~60	Gardner 60 $^{\circ}$ meter or equivalent
ASTM D3363	Pencil hardness	F~3H	No break in the film (Mitsubishi uni pencil)
ASTM D4145	T-bend	2T	No pick off with scotch #610 tape
ASTM D2794	Impact (1/2in $\times$ 50cm $\times$ 1kg)	Good	No pick off with scotch #610 tape
ASTM D5402-93	Solvent resistance	50 cycle	MEK double rub
ASTM G155	Accelerated weathering test 750hrs	Good	No objectionable chalking per ASTM D-4214
ASTM D2247	Humidity resistance 1,000hrs at 100 $^{\circ}$ F, 95% RH	Good	Less than 5% No.8 size blisters
ASTM B117	Salt spray test 500hrs 5% NaCl solution	Good	Less than 5% No.6 size