

DT-130 General Polyester

DT-130 polyester paint uses conventional polyester material by properly adjusting the polymer structure and branched structure. It is a color steel plate paint with excellent gloss retention ability and durability (weather ability) for external cladding.

Product Characteristics

1. General color steel plates
2. For exterior materials without severe forming
3. Good flexibility, weather ability and durability
4. Widely use due to various color and gloss

Use

1. Interior and exterior construction material (sandwich panels & light partition)
2. Roof remodeling
3. Door, boiler covers

Painting System

Material Type	Painting Composition	Product Title	Coating Thickness	Hardening Temperature
G.I, Galvalume etc	Primer	DP-600 DP-610	5 μ m	204 $^{\circ}$ C
	Top coating	DT-130	15~20 μ m	224 $^{\circ}$ C

※ Backer : DB-890 Epoxy backer applied

Physical properties

Specification	Test method	Result	
ASTM D523	60 $^{\circ}$ gloss	10~90	Gardner 60 $^{\circ}$ meter or equivalent
ASTM D3363	Pencil hardness	F~2H	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 500hrs	Good	No objectionable chalking per ASTM D4214
ASTM D2247	Humidity resistance 500hrs 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

* 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.