

SQ-40 Super Quality 40

SQ-40 is formulated with a polyester resin to provide weather resistance. The product uses prime ceramic pigments to secure outstanding color and gloss retention in severe environments.

Product Characteristics

1. Excellent weather ability
2. Excellent chemical and stain resistance
3. Warrantee (40 years)
4. For Cool roof (SQ-40CR)
5. Limited color choice

Use

1. Roof and building panels
2. Industrial panels
3. Garage doors

Painting System

Material Type	Painting Composition	Product Title	Coating Thickness	Hardening Temperature
G.I, Galvalume etc	Primer	DP-600	5 μ m	204 $^{\circ}$ C
	Top coating	SQ-40	20 μ m	232 $^{\circ}$ C

※ Backer : DB-890 Epoxy backer applied

Physical properties

Specification	Test method	Result	
ASTM D523	60 $^{\circ}$ gloss	10~80	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 2,000hrs	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 1,000hrs 5% NaCl solution	Good	Less than 5% No.8 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.