

# Fine Color

- Fine Color is made by immersing stainless steel sheets in a mixed solution of chromic acid and sulfuric acid for chemical coloring. There are 5 different colors in Fine Color series.
- It is a product grows a transparent chromium oxide film thinly on the surface and develops interference color of light, and it is characterized by a color that changes slightly depending on the angle of light and the angle of viewing.
- While taking advantage of the metallic luster and texture of stainless steel, it can be colored in deep and calm tones.
- Fine Color does not use paint or dye and is colored with an oxide film, so it does not fade even when exposed to sunlight.
- By combining the Fine Color with stainless steel that has been etched and polished to a matte finish, it becomes an antique color with a natural antique tone.
- The thickness of the oxide film is under 0.2 $\mu$ m. Since the oxide layer is so well bonded to the stainless steel surface, bending and light press works can be done without destroying the color layer. Please keep the protect film on during fabrication to avoid possible scratches.

## Quality and Usage

### Adhesion of Coating

Test method	Appearance
Cross-cut adhesion test	No peeling
Bend test	No peeling

### Chemical Resistance

	Chemicals	Appearance
Acid	1% Sulfuric acid solution	Good
	1% Acetic acid solution	Good
Alkaline	Sodium hydroxide 1% solution	Good
Detergent	Neutral detergent	Good
	Chlorine bleach (undiluted)	Discoloration
Solvent	Ethanol 80vol%	Good

Solution temperature : 25°C. Immersion time : 24 h

### Usage

- Building (Doors, Frames and Panels etc.)
- Elevator (Doors, Elevator cars and Operating panels etc.)
- Interior, •Exterior, •Kitchen equipment, •Machinery

### Usage Example



### ■ Specification

1. Subjected Material : Stainless Steel (SUS304)
  2. Product Specification : Thickness: 0.8~3.0mm, Width: max.1,219mm, Length: max.5,000mm
- ※ Depending on the lot and surface finish, coloring process may not be possible or color tone may vary.  
 There are several suspension marks (about 25mm $\Phi$ ) left in the longitudinal direction.  
 ※ When it is exposed outside, it may occur stainless steel corrosion and deteriorate coloring appearance, depending upon conditions.



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