

Decorative Stainless Steel

# NEUES

- NEUES is made by thinly coating the surface of stainless steel sheet with titanium nitride ceramics using vacuum sputtering method. There are 12 different colors in NEUES series.
- The color tone produced has characteristic of ceramics, the color coating is crystal-like coating while retaining the natural texture of stainless steel.
- NEUES has superior color uniformity and consistency which is achieved by the use of highly accurately controlled vacuum equipment.
- NEUES does not use paint or dye and is colored with ceramics, so it does not fade even when exposed to sunlight.
- The thickness of the ceramics layer is under 0.3 $\mu$ m. Since the ceramics 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

### Hard Coating

Material	Pencil Hardness
Stainless Steel	3H
NEUES	6 H~9H
Polyester coating	H

### Adhesion of Coating

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

### Usage Example



### 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

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



### ■ Specification

1. Subjected Material : Stainless Steel
2. Product Specification : Thickness: 0.8~3.0mm, Width: max.1,219mm, Length: max.4,000mm

※When it is exposed outside, it may occur stainless steel corrosion and deteriorate coloring appearance, depending upon conditions. NEUES Black should not be applied for outside application.



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This technical information to show the product quality for your reference only, this is not a guarantee.