

# ECHOTE® WH

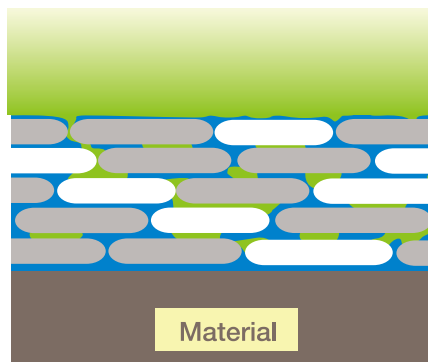
## Feature of ECHOTE® WH

"ECHOTE® WH" system is 2-coat system which base coat is zinc inorganic film and top coat is special resin film. The coating improves a performance of chemical resistance (Acid, Alkali, etc..) with the following features.

- High performance for corrosion resistance
- Superb resistance to bi-metallic corrosion
- Superb resistance to acid deposition outdoor
- High performance for weathering resistance
- Environmentally thoughtful (Chromium free, corresponded RoHS)
- No concern of hydrogen embrittlement
- No-wasted water, closed system coating process



## Film structure of ECHOTE®



Special resin film

Zinc special inorganic film

Material

## Application example



- Hardware for wooden house
- Mount for solar power panel
- Exterior equipment
- Wind Energy
- General civil(exterior)construction.
- Outdoor construction of the damage from salt breeze area



※ECHOTE® are registered by NOF METAL COATING  
Only our licensee could use and provide the product.

## General performance of ECHOTE® WH coating

Performance	Test method/condition	Result
Corrosion resistance	Salt spray test(JIS Z 2371)	3000hours No rust
Weathering resistance	Accelerated weathering test(JIS D 0205)	2000 hours No rust
Acid resistance	Sulfur dioxide corrosion test (DIN 50018-KFW0.2S)	25 Cycles No rust
Bi-metallic corrosion resistance	Tightening stainless bolt with ECHOTE WH coating into an aluminum panel	
	1.Exposure test	Effect ※ <sup>1</sup>
	2.Cycle corrosion test(JIS K 5600-7-9)	Effect ※ <sup>1</sup>
Concrete contact	Corrosion-resistant confirmation after the partial undergrounding to concrete	
	Continuous condensation test(JIS K 5600-7-2)	Effect ※ <sup>1</sup>

(Test sample: Base coat 25g/m<sup>2</sup>, Top coat 7g/m<sup>2</sup>, Total coating thickness 14μm<sup>※2</sup>)

Salt spray test (JIS Z 2371)	
Before testing	After 3000 hours
	

Sulfur dioxide corrosion test(DIN 50018-KFW0.2S)	
Before testing	After 25 cycles
	

※<sup>1</sup>: Result of comparing test with Electro plating + Colored chromate (JIS H 8610: Grade 2)

※<sup>2</sup>: It is reference range by calculated from weight, specific gravity, surface area of the film

• The above result was obtained at lab of NOF METAL COATINGS and we shall not guarantee all of performance.



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