

## Performance Comparison of Mighty CF and Organic Paint

Performance	Inorganic coating Mighty CF	Organic Coating Epoxy Paint	Remarks
1. Rust prevention	Ph:12 alkalinity (After it dries: 8.5)	Neutral	Neutralization Prevention
2. Heatproof temperature	365 °C (689 °F)	100 °C (212 °F)	Weather Resistance Improvement
3. Permeability	Yes	No	Mositure Evaporation
4. Bonding	Iron, concrete, stone, tile, stainless steel, and etc	N/A	
5. Surface paint condition	Covered film	Paint film	
6. Surface Preparation	Remove loose surface using a hand tool such as wirebrush or scraper	Remove rust area completely using an electric tool such as wire brush and scraper	
7. Film thickness	2 coats 1kgf/m <sup>2</sup> (500 microns)	2 coats 0.2 kgf/m <sup>2</sup> (80 microns)	
8. Pollution	No-Inorganic	Yes-Organic	Eco-friendly
9. Durability	more than 15 years	5 years or more	

## Characteristics of Mighty CF

### 1. Excellence in repair and reinforcement

Mighty CF is very effective in repairing and reinforcing concrete, and helps prevent concrete structures from cracking, reinforces the integrity of the structure, and extends the structures' life.

### 2. Excellence in rust prevention and corrosion protection

Mighty CF 's strong adhesion power prevents rusting and corrosion.

Mighty CF has a strong alkalinity of ph12.5 or less, created by wrapping an alkaline molecule of the principal ingredient with a special polymer. Under a strong alkaline environment, iron forms about 1/1,000,000 of hydrated oxides (called an immovable body film) which prevents oxygen from penetrating it. Mighty CF also has strong durability under high temperatures and ultra violet exposure.

### 3. Excellence in bonding

Mighty CF adheres to any type of surface. It is possible to apply not only on galvanized iron board, steel, stainless steel, ALC, porcelain tiles, but also on vinyl chlorides, and styrene foams without causing damage.

### 4. Environment and safety

Since this is a water base coating product, it does not need a solvent-based additive, which is harmful to the environment. This is an environmentally safe product, and it is a safe material that has passed a drinking water adaptability test.

### 5. Workability

Surafece prep only requires presssure washing on concrete, and removing only loose rust on the surface. You can apply directly to the rust. It is very easy to work with.