



Aquatech LTD.

PRODUCT DATA SHEET

Solidifier FC

Rust Remover and Solidifier

Product Description

Solidifier FC utilizes a specialized single-component emulsion with high-efficiency rust conversion capabilities. The active ingredients react with rust on steel surfaces to form a black chelate compound, transforming it into a hydrophobic passivation layer that creates a robust protective film. This effectively isolates the surface from moisture and oxygen, preventing further rusting.

After drying, it exhibits strong adhesion to rusted surfaces, excellent water resistance, and salt spray resistance. It can be directly applied without acid washing, phosphating, polishing, or sandblasting as pre-treatment processes, greatly improving efficiency and saving time. It is particularly suitable for steel protection where complete rust removal is not possible.

Product Features

- Efficient rust conversion ability.
- Strong anti-flash rust and rust prevention performance.
- Excellent water resistance, high adhesion, good wetting properties, and fast drying speed.
- Improves interlayer adhesion and compatible with various single- and two-component water-based primers and topcoats.
- Water-based, environmentally friendly, and safe.

Recommended Usage

Each kilogram covers approximately 7–8 m² of surface area. (Data belongs to standard test environment measurement; actual amount depends on site conditions.)

Storage & Transportation

- Different products should be stored separately and not mixed.
- Keep in a well-ventilated, dry place at 5°C–35°C.
- Non-flammable, non-explosive, transportable as general cargo.
- Protect from sunlight, freezing, and rain; packaging must remain intact.
- Shelf life: 6 months under normal storage and transportation conditions.

Supply & Packaging

20 kg / barrel
Color: Off-white

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Technical Data

Item	Requirement
Mass fraction of Non-volatile Matter, %	≥ 20
pH value	2 – 4
Drying Time (25°C, RH 50%)	Surface Drying ≤ 0.5 h, Actual Drying ≤ 24 h
Adhesion, Grade	≤ 1
Pencil Hardness	$\geq$ HB
Water Resistance	No exception

Scope of Application

Suitable for rust prevention, corrosion protection, and derusting treatment of metal roofs, steel structures, bridges, pipelines, color steel tiles, and other metal surfaces.

Construction Process

Base treatment → First coat application → Second coat application → Curing → Subsequent construction.



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