Primer for the rust occurrence point

NO MORE RUST EP039

NETIS Registration No.KT-120046-A

For repair and new facility ! Huge cost savings !

Superb workability
Strong anti-rust capability!
Primer for the rust occurrence point!

Can be widely used as a primer for preventing the rust, corrosion and degradation on the surface of rusted metal, steel, galvanizing, molten zinc, non-ferrous metal, active coatings and concrete. Superb workability as the preparation can be completed with the least sanding（SP2, St.2）and only one application would be enough to form the coating, resulting the huge cost savings.

Formaldehyde emission grade　F☆☆☆☆
Registration No. T18026 (indoor use only)

【Color】Ivory
【Quantity】10kg set (Part A, Part B 5kg ea.)
【Theoretical Spreading Rate】Approx. 37m2 (265g/m2)
【Fully time 】Approx. 16 hours (at 20℃ 60% humidity)
【Mixing Ratio】Part A:Part B = 1:1 (weight ratio)

■Area is approximate and it varies by application.
■Above figures may vary depend on material, temperature and humidity.

How to use

①Remove the loose rusts and deteriorated coatings, and surface preparation (SP2, St.2) shall be performed.
②Remove dusts. Rinse it with water for the salt water or acid-alkali contaminated area.
③Stir “Part A” and “Part B” separately with electric mixer until the viscosity of each becomes homogeneous.
④Mix the “Part A” and “Part B” at 1:1 (weight ratio) for 3~5 min.
⑤Apply it with brush, roller or air-less gun.
⑥Clean the container and tools with EP Reducer or lacquer thinner.
⑦After over 16 hours of drying process, follow the instruction of top coat for further application.
※Drying time is based on 20℃ and 60% humidity. Please arrange it in accordance with the situation.
※Use NO MORE RUST AP089 as a top coat in order to obtain the maximum anti-rust result.

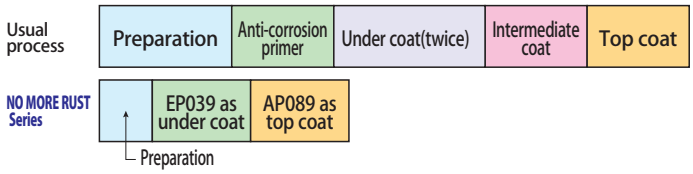
Caution

●Exposure to sunlight or outdoor use might cause fading, yellowing and chalking.
●Beware of low curing temperatures and condensation on the film curing process both might cause blushing.
●In cold temperature under 10℃, induction time is needed for 30 minutes before applying.
●If necessary, use EP reducer up to 10% by weight to adjust viscosity.
●Pre-apply with brush when the object is a part of edge or bolt.
●Once opened, be sure to securely tighten the lids to the paint cans. Please use the remainder within 2 months.

◆Reduce the application process dramatically.

Usual process requires under coat twice and, in addition, intermediate coat.
NO MORE Rust requires only one application.
Achieves 43% reduction (※) of total application process.
※Based on the data provided for registration of NETIS（No.KT-120046-A）of New Technology Information System by Ministry of Land, Infrastructure, Transport and Tourism (MLIT).

【Process example】



◆Salt Spray Test (SST) 6,000 hours

equivalent to 12 years of real environment

Name : A (upper) epoxy coating (made by another company)
B (lower) EP039
Testing Method : JIS K-5600-7-1:1999
35℃/5% sodium chloride aqueous solution continuous atomization

◆NO MORE RUST EP039 Application Guide

Process	Paint, Quantity and Method
Surface Preparation	Remove remaining rust, oil, moisture and dust on the surface
Undercoat	NO MORE RUST EP039 with brush or roller (265g / ㎡)
Over-coating interval	16 hours (20℃、60% humidity)
Topcoat	NO MORE RUST AP089 with brush or roller (120g / ㎡)

NO MORE RUST EP039 (Under coat)/NO MORE RUST AP089 (Top coat)

◆Characteristics

Item	Characteristics
Mixing Ratio	PART A : PART B = an exact 1:1 by weight ratio
Recommended DFT	125μm/㎡ (dependant on surface conditions and requirements)
Recommended quantity of application	265g / ㎡
Recommended Tools	Brush, Roller or Air less gun
Pot life*	3～5 hours (20℃、60% humidity)
Dry to touch	4～6 hours (20℃、60% humidity)
Over coating interval	16hours+ within 14 days (20℃、60% humidity)

*maximum usable duration after mixture

◆Performance Characteristics

Item	Result	Test method
Shock resistance	Pass	JIS K 5600-5-3 DuPont Method 300g 50cm
Adhesion	100/100	JIS K 5600-5-6 Cross Cut Method 2mm x 2mm
Alkali tolerance	Pass	JIS K 5600-6-1 Soak in 5% sodium hydroxide 23℃168 hours
Gasoline resistance	Pass	JIS K 5600-6-1 Soak in Testing Volatile oil 3 23℃168 hours
Water resistance	Pass	JIS K 5600-6-1 Soak in deionized water 23℃ 240 hours
SST *Salt Spray Test	Pass	JIS K 5600-7-1 Spray 5% Sodium chloride 35℃ 6,000 hours
Cycle corrosion test	Pass	JIS K 5600-7-9 Cycle D (Salt Spray: 30℃ 0.5 hour) → (Wet: 95% humidity 1.5 hours) → (Hot Air Drying: 50℃ 2 hours) → (Warm Air Drying: 30℃ 2 hours) 120 cycles
Hot/Cold repeat test	Pass	JIS A 6909 (23℃:18 hours) → (-20℃:3 hours) → (50℃:3 hours) 10 cycles
Heat Cycle Test	Pass	(-50℃:1 hour) → (30℃:1 hour) 10 cycles → JIS K 5600-5-6 Cross Cut Method 2mmm x 2mm Cross Cut

※Recommended quantity was used for the tests. Adjust the quantity in accordance with the situation

◆Applicable surface

Surface	Adhesion
Rust	○
Galvanized	○
Hot Dip Galvanized Steel	○
Aluminium	○
Stainless Steel	○
Old Coating (Active Coating)	○
Concrete	○

◆Suitable Topcoat

Object	Adhesion
2component Acrylic Urethane	◎
2component Polyurethane	◎
Quick drying Acrylic Urethane	◎
2component weak soluble Urethane	◎
2component fluorine resin	◎
2component Silicon resin	○
1component weak soluble Urethane	○

*All items listed in the catalog are subject to change without prior notice

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