

TECHNICAL DATA SHEET

Bonndeco Modified Acrylic Anti-Rust Topcoat-

Product Description

Bonndeco Modified Acrylic Anti-Rust Topcoat is made of water-based acrylic resin, anti-rust pigment filler and additives. It has excellent in rust, corrosion, slat water and weather resistance. It is water-based coating with free of benzene, carcinogen substances such as toluene and free TDI and harmful heavy metals, no irritating color as well as healthy and environmentally friendly.

Features & Benefits

- Excellent rust and corrosion resistance.
- Good adhesion and impact resistance.
- Excellent water resistance, salt water resistance and weather resistant.
- High hiding power and high cost performance.
- Fast drying.
- Non-toxic and tasteless, otherwise it does not explode, safe and environmentally friendly products.

Typical Painting System		
Preparation	System	
Surface should be smooth, clean and dust free.	Sealer	Bonndeco Anti-rust Primer
	Topcoat	Bonndeco Modified Acrylic Anti-Rust Topcoat

Properties	
Condition in container	There shall be no lumps, no separation and no coagulation of the ingredients
Low temperature stability @-5°C	Unchanged
Fineness/μm	<40
Impact Resistant/cm	<40
Bending/mm	2
Cross-cut	<1
Pencil Hardness	2B
Water Resistant	24 hours, No peeling, No rust
Salt Water Resistant	96 hours, No peeling, No rust

Remarks:-

1. The recommended coverage rates, including those of normal wastage, are for reference only. Actual coverage may vary depending on the working condition of the site, the degree of evenness and smoothness of the substrate surface, and the pattern of the texture sample as selected and approved by the architect or client.
2. We reserve the right to change or adjust the composition of material used in the specification of our products due to our constant research and development to improve of the quality of our products.



Application Surfaces

It is suitable for the application to interior surfaces of the following substrates:-

Precast Concrete
 Poured in Place Concrete
 Plaster (Mortar), Stucco, GRC
 Tile Filler, Existing paint film

Application Locations

It is suitable for the application to interior surface of the following locations:-

Walls and columns
 Ceilings and beams
 Fence walls, Roof parapets,
 Bends, etc.

Application

Roller, Spray, Brush

Glossiness

Matt

Color

Standard color chart from Bonndeco
 tailor made color

Package available

4kg/can or 20kg/can

Thinning ratio

5 ~ 10%

Drying time

Touch Dry: 2 hours
 Recoat: 4 hours
 Fully Dry: 7 days
 (25°C, 70% RH)

Theoretical spreading ratio

Approximately 20-30m²/2 coat/ 4 can
 Approximately 70-85m²/2 coat/ 20 can
 (According to substrate condition)

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Surface Preparation

Performance of rust prevention by paint depends on the elaboration of substrate preparation to the metal surface. Surface preparation is the most important process and painting durability is also influenced. Therefore, consideration is needed. Each painting's anticorrosive, wet ability, drying time and other painting relation also depends on the suitability to the substrate. Consideration is needed for substrate preparation from application itself. The level of substrate preparation desirable to high level than minimum level requested. The method and level of substrate preparation written in application is on below.

Type of Surface Preparation		
Preparation Type	ISO Standard	Surface Preparation
Blast Cleaning	Sa2 1/2	New: Prepare to metal color uniformly after removing the mill scale, rust, paint, oil and fats Renovation: Prepare the substrate to ash gray color uniformly and remove the deteriorated film and rust.
Power tools cleaning	St3	Remove deteriorated film and rust manually or by powered tools (electric sander grinder, scraper, wire, wheels, etc.) then expose the steel
Hand tools or Power tools Cleaning	St2	Remove deteriorated film and rust manually or by powered tools (electric sander grinder, scraper, wire, wheels, etc.) Scape the rust generated portions until the steel exposed.

Application Procedure

- Shake and stir thoroughly to get a complete dispersion of pigment.
- Use standard practice, either by rolling, brush or spraying, to ensure conformance to the specification requirement.
- Workers, applying in confined areas, are required to wear protection masks and exhaust ventilation should be properly supplied to the confined area.

Precautions in use

Handling and storage

- Do not use near flames
- All workplaces to always have specific ventilating equipment in operation.
- Particular precautions to be taken for good ventilation during application and while drying, and precautions taken to avoid any inhaling of fumes.
- During handling, precautions to be taken to avoid any skin contact and as necessary, gas mask against organic gas or fresh air supplying masks to be worn and also use head towels, wear protective eyeglasses, long sleeved protective gowns, neck protecting towels, protective gloves, etc.
- When coat is spilled, wipe with waste cloths to be kept stored in water filled containers.
- Until final disposal, all waste cloths that have been exposed to coat, hardeners or thinners, and leftover coat, spray dust, etc. for disposal shall be kept doused in water filled containers.
- After handling or application, hands to be thoroughly washed and extensive gargling is advised.
- The handles on the upper part of the tin containers are solely for carrying the tins. Please do not use ropes and hooks on the handles for hanging the tins.
- During storage, containers are to be tightly sealed and stored out of any direct sunlight or any exposure to rain, in a cool, well ventilated area.
- Please store away from any foreign instruction by third parties and out of the reach of children.

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