

RHINOZ FireOff T-203

Fire Retardant Polyurethane Dispersion Top Coat

RHINOZ



Description

RHINOZ FireOff T-203 is a polyurethane dispersion coating designed for decorative wood, metal and concrete coating with good adhesion and flexibility. It is water-borne and environmentally friendly with high durability, low odor. It is specifically designed for surface coating for internal and fire retardant application with high abrasion and UV resistance and light reflective characteristic.

Application

Suitable for application in environments where solvents would be hazardous or have a detrimental effect upon the operating process or products. The coating can be applied to concrete, metal, wood, stone and ceramic surfaces, especially suits as a topcoat/sealer for fire protection. Recommended for civil engineering, public utilities, food processing, and clean-rooms.

Features

- Provides smooth film surface
- Good adhesion on wood, metal and concrete
- Good flexibility and durability
- Good water and chemical resistance
- Abrasion and UV resistance
- Cleans up with water

Technical Data

Chemical basis	Polyurethane dispersion
Non-volatile content (%)	60
Density (g/cm ³)	1.2 – 1.4
Fire spreading rate index (ASTM E84)	15 (Class A)
Adhesion (Cross cut 2x2 mm.)	Class 5B (area removed 0%)
Wet abrasion scrub (times)	> 3,000
Water resistance (40°Cx10 days)	Good / No sign of failure
Alkali resistance (Std.CaOH ₂ x48 hrs.)	Good / No sign of failure
Bending (diameter, mm.)	3 mm.
Impact (1 kg, cm.)	> 50 (>4.9 Nm)
Surface (touch) dry	30 minutes
Dry to over coat, minimum	1 hour
Dried/cured for service	7 day
Theoretical coverage	8 - 10 sqm/kg. (wet film thickness 100 micron)

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Installation

1. Surface must be clean and dry, free of dust, oil, grease and other contaminants.
2. Apply recommended primer (find data in table below)
3. Stir RHINOZ FireOff B-111 thoroughly before and during application.
4. Apply 3-4 coats of RHINOZ FireOff B-111 by spray, brush, or roller and allow 1 hour dry time between coats.
5. Let it dry for 1-2 days before use and it shows high performance after 7 days.
6. Apply 1-2 coats of RHINOZ FireOff T-203 by spray, brush, or roller and allow 1 hour dry time between coats
7. Let it dry for 1-2 days before use and it shows high performance after 7 days.
8. Clean tools and equipment with water.

Storage

Store only in the original packaging in a location protected from moisture and direct sunlight, observe expiration date on package.

Availability

Packing Size : 1 gallon (4 kg) and 5 gallon (20 kg) pail

Color : Various color, see color chart

Caution

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product.

Health and Safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not inhale spray mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.