



Anti-Dust 500

Hybrid Resin Anti-dust Coating

DESCRIPTION

Anti-Dust 500 a free V.O.C. water-based hybrid resins coating designed for hospital, clean room, food, water processing facilities and residential use. It is also use as "a easy to clean coating" for both internal and external use.

SUITABLE USES

Anti-Dust 500 can be used on new or existing internal concrete, masonry or sound cement panel and board, primed ferrous or non ferrous metal.

- Food, pharmaceutical and water processing plant, treatment plant, power station, etc.
- Kitchen, hypermarket, restaurant, clean room, laboratory, chemical warehouse, etc.
- External façade of building, plants, etc.

ADVANTAGES

- Safe for contact with water and food
- Good chemical & solvent resistant
- Good abrasion & heat resistant
- Durable, hardens and dust proofs
- UV stable & excellent weather resistant
- Choice of colour and good gloss retention

SUBSTRATE REQUIREMENT

To obtain a desirable result, it is important that Anti-Dust 500 system is be applied on to a clean, sound and water tight primed substrate free of existing coating, oil, grease, soot, dirt, adhesives, laitance and any other surface contamination and defect.

SURFACE PREPARATION (FRESH CONCRETE)

- Prime substrate with Aquapoxy™ FGS
- Fill blow hole, crack, etc with Aquapoxy™ Screed or filler with bond strength > 1 N/mm²
- Use Omniclean with jet washing to degrease oil, grease and hydrocarbon deposit.

WORKING WITH ANTI-DUST 500

Please read and understand technical data sheet and safety data sheet of each product before using them. We recommend only trained and approved applicator to perform application of Anti-dust 500 coating system.

SUITABLE PRIMER

Apply a coat of Aquapoxy™ FGS, 2-component clear waterborne epoxy sealer at a minimal of 0.15 kg/m² on concrete substrate. Usage may increase with more porous substrate..

APPLICATION OF ANTI-DUST 500

Equip with right tool and equipment before mixing Anti-Dust 500. Sample of a stirrer is shown below.

Start stirring and move MG peddler in direction opposite to MG peddler blade rotation for 2 minutes to obtain a uniform and homogenous mass. Then add Part B slowly while the mixing continues. Keep mixing for another 2 minutes



Type of application	Min. usage
On overhead or vertical surface:	150µ D.F.T.
On Horizontal surface :	200µ D.F.T.
As a top coat to Anti-Dust 500 :	150µ D.F.T.

CLEANING TOOL & EQUIPMENT

Use water to clean before material cures

COVERAGE

As a protective coating

150µ D.F.T	requires about 300 g/m ²
200µ D.F.T	requires about 400 g/m ²



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PHYSICAL PROPERTIES

Appearance	Viscous liquid
Abrasion ASTM D4060 CS-10	Weight loss < 0.05g/1000 cycles/ 1000g
Bond strength ASTM D4541	> 2.4 MPa or concrete failure after 07 days curing
Colour	Wide range
Dry time @ 30°C (200 micron D.F.T.)	90 minutes touch dry Over coating after 16 hours Full cure at 3 days
Epichlorohydrin content	< 5ppm BS-6920-0504507
Gloss level	>95/60°
Hardness at 14 days ASTM D2240 Shore D	>80
Hot oil resistant	No peeling at 140°C 6 hours
Pot life (A+B)	20 minutes @ 25°C
Product dilution	Max. 10% with water (by weight)
Specific gravity	1.2 ± 0.1
Solid content W/W	> 50% (Part A + Part B)
Type of resin	Water emulsify Hybrid Poly Acryl-ester resins
Viscosity Brookfield @ 25°C	1,000-3,000 cps
Weather Resistant ASTM G154-06	>1000hr

PACK SIZE

High Gloss 24.5 kg set - 21.0 kg (A) + 3.5 kg (B)
Semi gloss/ Matt 24.0 kg set - 21.3 kg (A) + 2.7 kg (B)

POTLIFE & SHELF LIFE

Pot life : 15- 20 minutes after mixing
Shelf life : 06 months in sealed condition
Do not use any mixture after 20 minutes.

STORAGE & TRANSPORTION

Keep Anti-dust 500 in cool and dry condition. Store in its original sealed condition.

LIMITATIONS

- Anti-dust 500 may not bond properly to curing compound or other coatings on concrete. Bond or pull off test is recommended to determine suitability before actual application.
- Coverage and consumption vary over porosity and roughness of substrate.
- Suitable application temperature is 15°C to 45°C
- Apply or install when relative humidity is <75%

DISCLAIMER CLAUSE

This TDS summarizes our best knowledge of this product, including how to use the product based on the information available at the time of publication. You should read this TDS carefully, consider and try out the information in the context of how the product will be used, including in conjunction with any other product, type of surfaces to, and the manner the product will be applied.

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