

ARMORFLO 500HD

Complete Epoxy System for Factory Floor Warehouse and Car Park

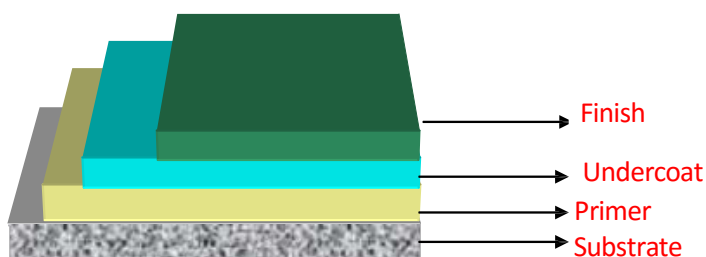
Model: ARMORFLO 500HD- (Top coat) HD-100 (Primer)
Hydrosil Non-solvent Anti-corrosion Epoxy Floor Paint



Product Description:

ARMORFLO -500 is two-component solvent-free anti-corrosion epoxy floor coatings. It has a great appearance, dust & corrosion resistance and easy to clean. The whole coating system can bond well with the solid base and has good abrasion and wearing resistance. It is also resistant to compression and impact. It is recommended for heavy duty industrial flooring

Coating Buildup System:



Advantages:

- Excellent compressive strength.
- Excellent flexural and tensile strengths
- Seamless, dust-proof and easy to clean
- Solvent-free and environmental
- Dense corrosion-resistance surface
- Bright & smooth surface

Application Areas:

It is mainly used for concrete surface which has a need for compression & wearing resistance and anti-dust and corrosion requirement, such as factory floor, workshop, office, warehouse, food factory etc.

Requirement for Substrate and Base:

1. Concrete substrate must not be less than 25MPA for optimum performance
2. The moisture content of the substrate should be less than 4%.

Application Instruction:

1. Surface preparation: correct substrate preparation is critical for optimum performance. Surface should be sound, clean, dry and free from loose particles, oil, grease, and other contaminants.
2. Primer: Prepare a barrel, pour **ARMORFLO Primer A** and **B** into the barrel based on 1:1. Stir the mixture well and then apply it with roller or trowel. The reference consumption is 0.15kg/m².
3. The main purpose of this primer is to seal the substrate completely and avoid air-bubbles in the body coat. A second coat may be required depending on the oil absorption condition of substrate. The recoat time is about 8 hours.
4. Undercoat: Mix **ARMORFLO 200 A** and **ARMORFLO 200 B** based on 5:1 first, then add quartz powder (1/2 of the mixture of A and B) into the mixture, stir it well and apply with trowel. The consumption quantity of A and B is 0.5kg /sqm. You can do it one coat at one time or two coats at two times. In the second case, the application interval is about 8 hours at 25 degrees. Sand the first layer, clean it and then apply the second layer. After the whole application, wait another 8 hours, grind it, clean the sanding dust and then continue the next procedure.
5. After completion of Undercoat application inspects to confirm that it is Non-sticky to hand, no softening, no nail print if you scratch the surface.
6. Top coat: Mix **ARMORFLO 500HD A** and **B** based on 5:1 and then apply the mixture with

roller. The consumption quantity is 0.3kg/sqm.

7. Curing: 5-7 days. Don't put the floor into use or wash it with water or other chemicals within this period.

TECHNICAL INDEX :

Drying time:	Touch dry: 2 hours Hard dry: 1 day
Compressive strength (Mpa):	≥85
Impact resistance strength (Kg cm):	65
Flexural strength (Mpa):	≥75
Adhesive force grade:	1
Hardness (Shore D):	≥83
Abrasion resistance(750g/1000r, zero gravity, g)	≤0.03
Resistance to engine oil, diesel oil for 60 days:	no change.
Resistance to 50% sulfuric acid for 20 days:	no change
Resistance to 25% Sodium hydroxide for 30 days:	no change
Resistance to toluene, ethanol for 60 days:	no change
Service life:	8 years
Recommended Consumption:	Primer: 0.15kg/sqm Undercoat: 0.5kg/sqm Quartz Powder: 0.25kg/sqm Top coat: 0.3kg/sqm

Clean up:

Clean the application tools first with paper towels, then clean the tools with solvent before the paint hardens

Health And Safety Information:

It contains certain chemicals which can cause skin irritation. Wear gloves, masks while handling the product, washing thoroughly after handling. Should skin contact occur, wash immediately with soap and water.

During application and curing in closed rooms, adequate fresh air ventilation must be provided. Keep away from open flames including welding.

In case of accidental eye contact, wash with a large quantity of water and immediately seek medical advice.

For detailed health, safety, environment recommendations, please consult and follow the instruction on the product material safety data sheet.



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