



Apoxy™ 126 FS

100% Resin Rich Fast Set Epoxy Floor Coating

DESCRIPTION

Apoxy™ 126 FS a 100% resins rich anti-skid epoxy floor coating that cures in 4 hours, reducing down time and disruption to user and businesses. It is an excellent choice of safe traffic flooring system.

SUITABLE USES

Apoxy™ 126 FS can be used on new or existing internal and external concrete, masonry or sound cement panel and board, primed ferrous or non ferrous metal.

- Commercial, public communal areas, MRT station, hospital, kitchens, etc.
- Foot path, trolley & goods delivery passage, corridors, lift lobbies, etc.
- Heavy duty car parks, drive way, ramps etc.

ADVANTAGES

- Fast rapid curing (allows traffic in 4 hours)
- No solvent content, odorless system
- Superior adhesion and abrasion resistant
- User friendly, easy hand trowel application
- Variable anti-skid texture
- Able to form up to 10mm thick coating

SUBSTRATE REQUIREMENT

To obtain a desirable result, it is important that Apoxy 126 FS system be applied on to a clean, sound and water tight substrate free of loose coating, oil, grease, soot, dirt, adhesives, laitance, surface contamination and defect.

SURFACE PREPARATION (FRESH CONCRETE)

- Blast clean, scarify or grind the surface to remove laitance and expose blow hole
- 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.
- Moisture within the concrete should be <12% moisture on Protimeter scale

WORKING WITH APOXY™ 126FS

Please read and understand Technical Data Sheet and Safety Data Sheet of each product before using them. We recommend only trained and approved applicator be engaged to install of Apoxy™ 126 FS system.

SUITABLE PRIMER

Apply a coat of Apoxy™ 126FS Primer, 2-component clear solvent-free epoxy sealer.

APPLICATION OF APOXY™ 126 FS SYSTEM

Equip with right tool and equipment before mixing epoxy. Sample of a stirrer is shown below.

Start stirring and move MG peddler in direction opposite to MG peddler blade rotation for 1 minute to obtain a uniform and homogenous mass.



Then add Part B (4kg) slowly while the mixing continues. Keep mixing for another 1 minute.

Add anti-skid aggregate and blend for another 1 minute before pouring material over the floor. Spread the material with a steel comb trowel quickly to achieve the desire thickness. Use a PE foam roller to level until an uniform anti-skid texture is formed. Remove all protective tape and plastic after 10 minutes of the application

This mixture weighing 6kg will cover an approximate area of 5m² for a 1 mm thick coating

Sample coverage

Type of application	Min. usage
Apoxy™ 126FS Primer	0.15 kg / m ²
Apoxy™ 126FS @ 1mm	1.20 kg / m ²
Apoxy™ 126FS @ 2mm	2.40 kg / m ²



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PHYSICAL PROPERTIES

Appearance	Resinous liquid (resin)
Abrasion ASTM D4060	Weight loss < 0.1g/1000 cycles/ 1000g / CS-10
Adhesion at 14 days ASTM D3389-D 3002	Class 0 Cross cut tester n°157
Anti-skid coefficient ASTM D2047	0.2
Bond strength ASTM D4541	> 2.0 N/mm ² or concrete failure after 72hrs curing
Colour	Standard range Other colours on request
Compressive strength	ASTM C 109:90 >55N/mm ²
Dry time @ 30°C	4 hours (trafficable) Full cure at 72 hours
Pot life (A+B)	5 minutes @ 25°C
Slip Resistance SS485:2001	Classification F≥0.4 Table 3
Toxic Gas Test NF X 70-100(1986)	Values Below IDLH Value
Type of resin	100% resin rich epoxies

CLEANING TOOL & EQUIPMENT

Use cleaning solvent A1 to clean tools

COVERAGE

1000µ D.F.T. requires about 1,200g /m²

2000µ D.F.T. requires about 2,400g /m²

PACK SIZE

Part A	16kg can
Part B	4kg can
Silicate aggregate	25kg bag

POTLIFE & SHELF LIFE

Pot life : 15 minutes after mixing
Shelf life : 9 months in sealed condition
Do not use any mixture after 5 minutes.

STORAGE & TRANSPORTION

Keep Epoxy™ 126 FS in cool and dry condition. Store in it original sealed condition.

LIMITATIONS

- Epoxy™ 126 FS 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 depending on 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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