



Quality beyond Innovation

Philippine SkyBird Industrial Corp.

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POWERFIX H-EM

Abrasion and Chemical Resistant Epoxy Mortar

DESCRIPTION

PowerFix H-EM is a three component, solvent free epoxy resin, high strength mortar.

USES

PowerFix H-EM is a high strength material with no shrinkage. It is suitable as a bedding for repair of horizontal surfaces such as industrial floors, cracks arising in roads, bridge decks, patch repair works, airport runways, sidewalks, parking floor, precast units, manhole benching, etc.

ADVANTAGES

- Solvent free and non-shrinkage
- Excellent chemical resistance
- High mechanical strength
- Can be use from 10-100mm in single layer without generating excessive exothermic
- Rapid hardening
- Impact and vibration resistance
- Vibration resistant

TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE	
Component	–	Three	
		Part A – Base	
		Part B – Hardener	
		Part C - Filler	
Mixed Form	–	Flowable	
Colour		Grey when mixed	
Compressive strength	ASTM C579 B	1 DAY	65 Mpa
		7 DAYS	100 Mpa
Flexural strength	ASTM C580	7 DAYS	30 Mpa
Tensile strength	ASTM C307	7 DAYS	16 Mpa
Bond strength	ASTM C882	7 DAYS	Concrete failure
Pot Life		60 minutes	
Chemical Resistance	ASTM D543	Resistance to alkalis, fuels, acids, oils, etc.	
Effective Bearing Area	ASTM C1339	>85%	

SURFACE PREPARATION

Cut back edges at right angles avoiding feather edges to a depth of at least 5 mm. surfaces should be dry, clean, free from standing water, grease, curing compounds, mold oils and all loosely adhering particles. Cement laitance should be removed by mechanical means, roughen surfaces with chipping to ensure good bonding. Steel surfaces should be grit blasted to white metal.

MIXING

Mix base and hardener thoroughly with a slow speed drill for 1 minute in a suitable container. Add the filler component slowly and continue mixing until a uniform mix is achieved.

PRIMING

Surfaces to receive **PowerFix H-EM** to be primed using FloorTech Primer SB

APPLICATION

While primer is still tacky spread the material and trowel firmly into place. For large volumes, apply in layers ensuring the previous layers have hardened and cooled.

PACK SIZE

10 and 50 ltr set

GENERAL INFORMATION

Shelf Life 12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature/humidity may reduce shelf life.

HEALTH and SAFETY

Gloves, goggles & suitable mask must be worn.

TECHNICAL SERVICE

Philippine SkyBird Industrial Corp. Services are available on request for on-site support to assist in the correct use of its products.

