



Quality beyond Innovation

Philippine SkyBird Industrial Corp.

31-B, SEB Commercial Center, Ortigas Ave., Taytay, Rizal

Tel: (02) 8693-6560 • (02) 8359-0365 • Website: www.philskybird.com

POWERFIX MORTAR

Polymer Modified Repair Mortar

DESCRIPTION

Powerfix Mortar is a blend of specially selected cements, graded aggregates, polymers and additive. It is a two parts, pre-packed system, consisting of liquid polymer as Part A and a premixed powder as Part B. This provides an ideal levelling for uneven and restoring damage concrete floor surfaces.

USES

Powerfix Mortar is a thin bed, high bond strength cementitious floor reproofing and levelling product suitable for use under a variety of floor finishes, such as:

- Car parks
- Pre-fabricated concrete panels and beams
- Light industrial floors
- Forklift trafficked floors
- Underlayment for vinyl sheet tiles, carpets etc.
- High bay warehousing floors
- Garage workshops
- Road Scaling

ADVANTAGES

- Easy to apply
- Very good adhesion to concrete
- Polymer Modified improved bond and flexural strength on a variety of substrates.
- It is suitable for use on exposed application.
- No special curing required

TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	–	Two Components
Mix Form	–	Slurry
Colour	–	Grey
Yield	–	9.75 L/set
Compressive strength	ASTM C109	30 N/mm ² @ 28 days
Flexural strength	ASTM D4541	>2 N/mm ² @ 28 days
Tensile strength	BS 6319-7	>2 N/mm ² @ 28 days

SURFACE PREPARATION

Correct substrate preparation is critical for optimum performance. Surfaces should be structurally sound, clean, and free from loose particles, oil, grease or any



other contaminants. Cement laitance, loose particles, mould release agents, curing membrane and other contaminants must be removed by wet grit blasting, high pressure water getting or such other suitable method. Saturate the prepared substrate with clean water before applying.

MIXING

Powerfix Mortar should be mixed using a suitable mixer. Pour the liquid component (Part A) to the mixing container or bucket then slowly add the powder component (Part B) to the mixing bucket while mixing continuously until lump free consistency is obtained.

Mixing will normally be 3 – 5 minutes. (Note: Mixing Ratio is 1 Part A is to 1 Part B)

APPLICATION

Good site organization is essential, the required thickness must be achieved in one application. Best results are achieved when the pouring and levelling is a continuous process until the designated area is completely levelled. Multiple layers can be done for some thick application or more than 10mm thickness, it may be necessary to use formwork in certain situations. The materials can be finished with a steel trowel.

CURING

No special curing required

PACK SIZE

Part A - 3.25 Liters

Part B - 18 Kg.

YIELD

9.75 Ltr/set

COVERAGE

3.25 m²/set at 3 mm thickness

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.

CLEANING

Clean all equipment and tools with water immediately after use.



HEALTH and SAFETY

Gloves, goggles & suitable mask must be worn.

TECHNICAL SERVICE

Philippine SkyBird Industrial Corporation. Services are available on request for on-site support to assist in