



POLPO for BUILDING CHEMICALS & TECHNOLOGIES

PRODUCT DATA SHEET

FLOOR BALANCER® Premium cement mortar

DESCRIPTION

FLOOR BALANCER® is a cement-based self-levelling compound, specially designed for levelling the internal floor. It is used for repairing and levelling pitted and rough surfaces, as a sub-floor underlayment, before installation of carpet, tiles, or other floor-covering systems, and is compatible with commonly used adhesives.

requiring only the addition of water, to produce a smooth free-flowing and self-levelling coat, which can be laid to a feather edge. Depending on the application, it can either eliminate or minimise trowelling. The product can be applied in multiple layers, with each layer being no more than 10mm thick, or for greater thicknesses.

25KG



ADVANTAGE

- Consists of special additives, which enhance good workability
- Smooth, free-flowing and self-levelling coat, which can be laid to a feather edge
- Eliminates or ensures minimum trowelling (depending on the application)
- Proper strength and setting time
- High durability

MIXING

Proper mixing (Lump Free) is crucial for a successful application, using the paddle and a heavy-duty electric drill (500 - 600RPM). Electric mixing produces a much smoother mix. Use an appropriate Pre-Pump Mixer for pumping application and mix for about 3 minutes. Do not mix more material than can be laid in 10 - 15 minutes, but ensure that the next mix is ready, so that pouring can be continued until the whole area to be covered is complete. Always add the powder into the water. Add approximately 5ltrs of clean water to a bucket and start to stir the water with the electric mixer. Then slowly add the 25kg bag of Self-Levelling Floor Mortar, while mixing, and continue until a creamy consistency is achieved. This will take a few minutes to provide a smooth and lump-free flowing mix. After allowing to mature for 2 - 3min, mix again thoroughly and be ready for application. Do not overwater.

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APPLICATION METHOD

Once mixed, pour FLOOR BALANCER onto a clean and properly prepared subfloor and spread evenly using a suitable steel trowel.

Continue pouring the remaining mixture over the subfloor in a continuous operation to ensure a uniform and seamless levelling layer.

Trowel lightly to achieve smooth, feathered edges, avoiding excessive trowelling, as FLOOR BALANCER is a self-levelling product designed to flow naturally and create a flat, smooth surface.

Where additional thickness is required, the product should be applied in multiple layers. Allow the first layer to dry completely before applying subsequent layers.

Prior to applying any additional layer, ensure that the previous layer is sound, firm, and free from dust or contaminants that could affect adhesion.

After application, the surface will be suitable for light foot traffic after a short period. Full drying must be achieved before installing final floor coverings such as ceramic tiles, vinyl, carpet, or other finishes to ensure optimal performance and long-term durability.

PRECAUTIONS AND USE LIMITATIONS

FLOOR BALANCER is intended solely for floor levelling purposes.

The product is not suitable for use on wooden subfloors, asphalt surfaces, or quarry tiles, and should not be used in conjunction with underfloor heating systems.

Application should be carried out under suitable site conditions, avoiding very low temperatures. The subfloor must be dry, clean, and free from oil, grease, dust, or any substances that may impair adhesion.

For best results, follow the recommended mixing and application procedures, use appropriate tools, and observe standard health and safety practices during use.

DRYING TIME

FLOOR BALANCER must be protected for at least 12hrs from rain, sunshine and any direct source of heat, without interfering with any civil works or traffic on top of the flooring, until it is completely dried.

Drying time will depend on the site conditions, temperature, humidity, and applied thickness. Lightfoot traffic allowed after 12hrs. The other floor covering can be laid after a minimum of 24hrs.

STORAGE & SHELF LIFE

12 months if stored in unopened bags clear of the ground, in cool and dry conditions. Protect from excessive draught.

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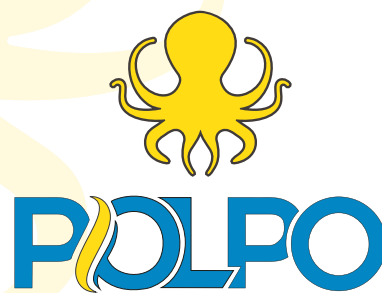


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PROPERTIES

CONDITION / DESCRIPTION	SPECIFICATION
Density	1.8-1.9 g/cm ³
Consumption:	1.60-1.70Kg/m ² per 1mm thickness
Coverage thickness:	5mm to 15 mm
Water Ratio (pure)	20-23% by weight
Application temperature:	5°C to 35°C
Pot Life	<15min when mixed
Light Foot Trafficking	> 24 hrs
Compressive strength after 3day	23 N/mm ²
Compressive strength after 28day	34 N/mm ²
Flexural Strength after 3 day 6.5 N/mm ²	6.5 N/mm ²
Flexural Strength after 28 day 6.5 N/mm ²	7.9 N/mm ²
Tensile adhesion after 28days	1.8 N/mm
Setting time (min) ASTM C191	65-80



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