

thermo Sphere

Flexible Self Levelling Compound



PYT25 is a free flowing, fast setting and fibre reinforced self levelling compound designed for smoothing and levelling sub floors and encasing underfloor heating.

- Suitable for use with electric and wet underfloor heating systems.
- Use with ThermoSphere Membrane, Mesh and Cable underfloor heating systems.
- Flexible, single part, fibre reinforced, rapid setting formula.
- Suitable for plywood, chipboard, existing tiles, concrete, screed and asphalt.
- Apply up to 50mm in one pour.
- Walk on after three hours.
- Lay flooring such as carpet and vinyl after 24 hours.
- Interior use over 5°C only.

Technical data

Code	PYT25-01
Weight	25 Kg
Coverage	5.25m ² at 3mm thick
Pot life	Up to 30 minutes
Tile / walk on after	3 hours (@20°C)
Lay other flooring after	24 hours (@20°C)
Colour	Grey
Standards	EN 13813 Class CT C30 F7

thermo

Sphere

Description

PYT25 is a free flowing, fast setting, fibre reinforced, protein free, shrinkage compensated cement based formulation, designed for smoothing and levelling sub floors prior to the installation of floor coverings.

PYT25 can be applied from depths of feather edge to 50mm in one application and is suitable for use on all common substrates including under floor heating and plywood overlay.

PYT25 is fast setting and is ready to be tiled after 3 hours at 20°C. PYT25 is ready to receive floor coverings such as vinyl, linoleum, carpet and resin after 24 hours at 20°C.

Advantages

- Up to 50mm in one pour.
- Single part. No additives required.
- Use with underfloor heating and plywood.
- Light foot traffic after 3 hours.
- Fibre reinforced and flexible.
- Protein free.
- Shrinkage compensated.
- Suitable for pumping.
- Highly durable.

Uses

For smoothing screeds and a variety of floor surfaces. The high polymer and fibre formulation makes PYT25 the ideal choice for preparing a surface prior to the installation of a new floor covering.

PYT25 is suitable for use on all common substrates including; sand/cement screeds, concrete, sound asphalt, anhydrite screed, ceramic, quarry and natural stones, minimal adhesive residues, under floor heating, plywood and timber boards.

Due to the strength of formulation, PYT25 can be applied to a depth of 50mm in one application.

PYT25 is the perfect choice when preparing a substrate to lay under floor heating, wooden block, laminate, ceramic tiles, natural stone, vinyl, parquet, cork, carpet or painting as the final treatment.

Surface preparation

Before starting, all substrates must be clean, dry and strong enough to support the weight of the leveller, adhesive and the final covering being applied.

Remove all dust, dirt, oil, grease and other contaminants that may affect adhesion.

Where traces of adhesive remain, these must be strong, sound and well adhered to the surface.

Sub-floors directly to earth must have a damp proof membrane.

Recommended tools

- Suitable steel trowel.
- Spiked roller.
- Slow speed drill.
- Mixing paddle.

Mixing and application

Mix by adding powder to water, approximately 4.5 - 5 litres of water to 20kg of PYT25.

We suggest starting at 4.5 litres of water which can then be increased to a maximum of 5 litres if necessary. Do not exceed 5 litres of water.

Exceeding 5 litres of water per unit will result in water bleed and therefore extended drying times and a weakened mix.

Mix ideally with an electric paddle until you obtain a lump free compound similar in consistency to single cream.

When mixed allow to stand for 2 minutes and stir again before application. Use within 25 - 30 minutes of first mixing. Pour a small quantity onto the prepared surface and trowel down lightly.

PYT25 will start to cure 1 - 2 hours after application. The successive laying of coverings is possible after drying (12 - 24 hours depending on the ambient temperature and humidity).

If you wish to build to a greater depth of 50mm, allow to dry and prime between applications.

Setting time will depend on atmospheric temperatures. It will be slowed by lower temperatures and accelerated by higher temperatures.

Tools must be cleaned in water thoroughly immediately after use.

PYT25 MUST BE LEFT TO DRY BEFORE APPLYING THE FINAL DECORATIVE SURFACE FLOORING.

This is typically after 3 hours for tiles and 24 hours for soft flooring, however, it can vary and can be faster depending on the choice of surface flooring.

The critical moisture content for the flooring in question must be observed.