

# Self-Levelling Floor Screed



## The Alternative to Sand and Cement Screed

### Benefits:

- Pump applied
- High daily output
- Simple and fast application
- Self-levelling
- No cracking, curling, lifting and drying shrinkage
- Smooth, level, joint-free finish
- Lightly trafficked after just 24 hours
- High final strength achieved in 48 hours
- Lower floor thickness than traditional screeds – from 35mm
- Easy access to difficult locations
- Time and money saving
- Environmentally friendly, made using recycled materials
- Ideal for use with underfloor heating
- Minimises damage to underfloor heating pipes
- Poured from 5mm to level uneven surfaces

## Description

A fast, efficient alternative to traditional sand and cement screeds, Easy Screed is a self-levelling liquid floor screed, designed for smoothing and levelling floors before installation of final floor coverings.

## Uses

Easy Screed can be used in two key areas:

- 1) As a topping over underfloor heating pipes
- 2) As a levelling screed over existing concrete sub-floors

As a levelling screed prior to the installation of floor finishes, Easy Screed is ideal for use with underfloor heating, thermal and acoustic insulation. Easy Screed can be overlaid with carpets, tiles, floorboards and most other floor materials.

Pump applied, Easy Screed is especially useful where installation time must be kept to a minimum.

Because of the high strength and the lack of voids, such floating screeds may generally be laid substantially thinner than with conventional screeds.

## Depth of Easy Screed

Easy Screed can be poured between 5mm and 50mm.

When used as a covering for underfloor heating, Easy Screed is most effectively poured between 35mm and 50mm depth, including the diameter of the underfloor heating pipe. By pouring this thin screed, the heat is transferred quicker than with traditional concrete screeds.

If Easy Screed is being used as a levelling screed over an existing concrete surface, it can be poured from 5mm. Additional preparation of the existing subfloor will be required prior to the pour.

## Materials

The main constituent of Easy Screed is a **natural anhydrite, alpha-hemihydrate calcium sulphate binder agent**, the by-product of processed turf/peat ash found at German power-stations. When mixed with sand and water, a fluid, pumpable screed is produced, which can then be

applied to the required thickness in one single application.

## Site Preparation

Easy Screed should not be installed until after the internal walls have been plastered and the building is enclosed, including windows, doors and other openings. It is preferable, to have all other works complete prior to the pour.

Firstly, the required floor levels should be marked on all walls. We require a pre-marked continuous datum line, 1 meter above the finished screed level to work from. This should be marked up before any insulation is laid over the sub-floor to ensure the correct screed depths are achieved.

Given that it is a flowing liquid, the surface onto which Easy Screed will be pumped must be fully sealed with a plastic membrane (500 gauge polythene or similar). This should be installed on top of the chosen insulation. All joints and voids must be fully taped to prevent any leakage. If underfloor heating is being installed, it should only be laid after the polythene has been installed over the insulation.

As the screed is laid as debonded floating slab, no further surface preparation is needed. However, it is strongly recommended that the surface is vacuumed prior to placement of the Easy Screed, as any loose matter may float to the top of the screed and disfigure the final finish.

## Application

Easy Screed is mixed on site using sand, bagged binder and water in an approved mixer. It is then pumped through hoses to the surface area in a single continuous operation. The floor is finished by lightly dappling the surface of the screed using a floating T-bar to help remove any air-bubbles. There is no need for compaction or powerfloating later.

## Setting and Drying

Access to the floor should be restricted for the first 24 hours after the pour to prevent damage to the surface finish. Care should also be taken to avoid excess water loss within this period. Any unglazed or missing windows/doors should be temporarily blocked using polythene or similar to avoid rapid drying during the first 24 hours.

It is very important that good drying conditions are provided hereafter. After 48 hours, all windows and doors should be opened to assist the drying time.

In natural drying conditions, the drying time for Easy Screed is one day for every millimetre deep of screed poured (At an ambient temperature, 20°C, 60% Relative Humidity). However, this can be greatly affected by the actual conditions.

Easy Screed is very tolerant of fast drying without affecting the final finish of the floor. At projects where underfloor heating has been installed, the heating circuits should be turned on to a low temperature (20°C) 7 days after the floor has been poured and increased on a daily basis. This will help reduce the drying time of the floor screed and should allow tiling to commence within 3-4 weeks of the floor being poured.

## Installation of final floor coverings

Before installation of final floor coverings, the following steps must be observed:

The screed floor should be checked using a moisture meter to ensure the moisture content requirements are low enough to meet the particular floor finish requirements on moisture.

Where underfloor heating has been installed, it must always be turned on prior to installation of the floor finish.

It is recommended that prior to laying a **Tile floor finish over Easy Screed**, the surface should be prepared and primed using PCI Primer G, or equivalent as per the requirements of the manufacturers of the adhesive being used. Flexible tile adhesive should always be used. **POLY-BOND or UNIBOND (or other PVA primers) ARE NOT SUITABLE AS A PRIMER WITH UNDERFLOOR HEATING OR EASY SCREED.**

Where laying **Timber Floor Finishes over Easy Screed** the floor should be prepared in line with the manufacturers instructions for installations over NATURAL ANHYDRITE SCREEDS

Please see Easy Screed Aftercare sheet for further details.

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