

### Easi-Screed® Flexible

#### Product Description

Highly flexible, self-levelling floor screed

*Easi-Screed Flexible* is a free-flowing, fibre reinforced, cementitious self leveller. It cures fast to enable a rapid return to use.

Designed for heavy domestic or light industrial use it is suitable for all common substrates and is ideal for use over underfloor heating.

#### Typical Uses

*Easi-Screed Flexible* is suitable to prepare and level uneven internal sub floors. It is suitable to receive floor coverings such as vinyl, carpet and linoleum.

**Suitable substrates:** *Easi-Screed Flexible* can be used on the following: Timber boards, plywood, chipboard, underfloor heating, concrete, sound asphalt, ceramic, quarry and natural stones.

**Colour:** *Easi-Screed Flexible* is grey in colour.

**Packaging:** *Easi-Screed Flexible* is supplied in 25kg bags.

#### Direction For Use

##### Surface Preparation

Thorough substrate preparation is essential.

The surface should be clean, sound and free from all loose particles such as old adhesive residues, dust, plaster spillages, grease, paint, polish and any other compound, which may become softened by the introduction of water or be detrimental to the required bond.

Concrete bases and screeds must be fully cured and firm. Surface hardeners and curing membranes must be removed prior to screeding.

Sub-floors must conform to the dryness requirements of BS8203 1987 and must incorporate an effective damp proof membrane. Relative humidity should be less than 75%.

The screed may be applied onto a suitable surface damp proof membrane where a good mechanical key has been provided.

Underfloor heating must be switched off at least 7 days before application of the screed and left off for at least 14 days. The temperature should then be increased in increments of no more than 2°C per day.

Application on newly laid underfloor heating will require the use of our *Easi-Screed Primer*, if applying directly to a foil backed insulation, such as Celotex.

##### Priming

Priming should be undertaken in all screeding applications using *Easi-Screed Primer* including applications over foil backed insulation such as Celotex. On particularly absorbent floors additional coats may be required. The use of a primer will reduce air bubbling, pin holing and will prolong the workability of the screed when applied to the sub-floor.

##### Mixing

Mixing is achieved by mixing the powder to 4.5 litres of clean water.

Gradually add the entire 25kg quantity of powder whilst mixing with a heavy duty slow speed drill and mixing paddle. Mixing by hand does not readily give a thoroughly or evenly mixed product.

Mix for at least 2 minutes to allow the additives to dissolve and produce a homogenous mix which should be lump free and a consistency of single cream. When mixed allow to stand for 1 minute after which the screed is ready for application.

Do not mix more than can be applied in 25 minutes. Do not add excess water.

#### Application

By trowel or pump. Trowel: Pour a small quantity onto the prepared surface and trowel down lightly. Pump application: Prior to laying the mixed compound carry out a flow test using a flow ring (30mm diameter x 50mm long). A flow diameter of 110-130mm should be achieved, adjust mix accordingly to comply to this flow criteria. Periodically check to ensure mix remains in limit. We advise the use of a spiked roller to ensure a close tolerance surface is achieved. Cementitious screeds are susceptible to damage from liquid and chemical attack (including prolonged or constant use of water) and should therefore be sealed suitably prior to the use of such products.

##### Application Temperature

Normal application temperature is between 10°C and 35°C.

## Application <sup>(cont)</sup>

## Pot Life & Curing Times

## Coverage

## Cleaning

## Shelf Life & Storage

## Physical Properties

## Finishing

## Health & Safety

## Any Questions

### Application Thickness

The recommended range of application thickness is 5-50mm.

The pot life of *Easi-Screed Flexible* once mixed is approximately 20-30 minutes at 20°C.

Initial curing takes place within 2-3 hours depending on temperature.

Surfaces should be suitable to accept floor coverings after 12-24 hours.

Important note: Should *Easi-Screed Flexible* be installed over underfloor heating, please ensure the screed is left for a period of 14 days to fully cure before the underfloor heating is turned on. Finally, please also ensure the temperature of the heating is increased in increments of no more than 2°C per day.

The coverage per 25kg unit of *Easi-Screed Standard* mixed with 4.5L of water is as follows:-  
2.3m<sup>2</sup> at 6mm depth  
1.35m<sup>2</sup> at 10mm depth.

Tools and equipment should be cleaned whilst material is still wet with warm soapy water.  
Hands and skin should be cleaned immediately with Organic Hand Cleaner.

The shelf life is up to 6 months subject to storage in dry conditions. Store off ground, unopened in frost-free conditions at a temperature between 10°C and 30°C.

Working time:	20-30 min @ 20°C
Vicat setting time:	3 hr @ 20°C
Foot traffic:	3 hr
Light traffic:	24 hr
Compressive strength:	1 day: > 15 MPa
EN 13892-2	7 days: > 25 MPa
	28 days: > 30 MPa
Flexural strength:	1 day: > 2 MPa
EN 13892-2	7 days: > 5 MPa
	28 days: > 7 MPa

*Easi-Screed Flexible* may be used without further overcoating. However, should a coloured and/or sealed finish be required, it can be painted with a water dispersed coating after only 24 hours. (The area must have been well ventilated, and the coating given a chance to cure properly as shown above). Should a second paint coat be required, please consult the specific data sheet for the paint concerned to establish overcoat / curing times.

We have many coatings that can be applied over the top of *Easi-Screed Flexible*. However, for simplicity, the three most popular coatings are as follows:

For an excellent high wearing coating, capable of forklift traffic, etc, we recommend one coat of Polycote WD Primer followed by one coat of Flortex Professional.

Should a clear sealer be required, we can recommend either two coats of a single pack acrylic - Flortex Clearseal or two coats of a high strength, impervious twin pack epoxy - Flortex SG.

These coatings will act as a curing agent and help prevent premature drying and cracking, as well as strengthening and sealing the surface for protection against oil and other spillages.

Before using this product, please ensure you have received and read carefully both the Hazard Label applied to the container and the relevant Material Safety Data Sheets.

Please do not hesitate to contact us for advice regarding the use of this product or its suitability for your particular application.

Our aim is to provide all the technical help you need to make an informed choice and achieve total success.

Polycote Technical Helpline: **01234 846400**

All reasonable care has been taken in supplying the above information. However, any figures quoted do not constitute a specification but represent typical values obtained. It is the customer's responsibility to ensure the product is fit for the intended purpose and that conditions are suitable. Any technical advice is offered in good faith, but without warranty. This is also applicable when proprietary rights and third parties are involved. In the light of the Company's policy of continual research and development, it is the customer's responsibility to ensure that the information contained herein has not been superseded.

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