



Technical Data Sheet

Easi-Screed® Standard

Rev: November 2022

Easi-Screed® Standard

Product Description

Self Levelling Flooring Compound

It is ideal for both industrial and domestic use. It is dust free and can be used untreated as a wearing course. Alternatively, Easi-Screed will accept an epoxy coating to achieve a smooth, seamless and impervious floor. It is also ideal for use under tiled areas, carpets and linos in both commercial and domestic applications.

Typical Uses

Easi-Screed Standard is in constant use in almost every industry, in light industrial, commercial and domestic areas.

Being protein free as well as providing a dust free surface, Easi-Screed Standard can be used in biologically sensitive areas and is therefore ideal for use in hospitals, laboratories, food preparation areas, food shops, restaurants, schools and care homes.

Suitable substrates: Easi-Screed Standard can be used to overlay concrete, cement screeds, stone, quarry tiles, terrazzo, brick and block.

Colour: Easi-Screed Standard is grey in colour

Packaging: Easi-Screed Standard is supplied in 20kg units.

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. All laitance should be removed by mechanical means such as shotblasting or scrubbing, to ensure a sound sub-base suitable to receive the screed. Remove and replace with concrete and sand/cement screeds must be dry and any laitance or surface treatments removed.

Sand/cement screeds must have a moisture reading of less than 75% RH before work can begin. The screed may be applied onto a suitable surface damp proof membrane where a good mechanical key has been provided. This may be achieved by applying dry silica sand to the second coat of DPM whilst it is still wet. Single part screed is not impermeable to water and should not be used when damp conditions prevail. Underfloor heating must be switched off at least 48 hours before and after application. Temperature should then be increased by 5°C, at 24 hour intervals.

Priming

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

Mixing

Add 4.0-4.5L of clean water in to a clean suitable container. Gradually add the entire 20kg 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.

Using a mixing paddle in an electric drill, mix for at least 2 minutes until a smooth lump free consistency is achieved. Mixing by hand is NOT advised. For larger areas or greater thicknesses an appropriate mixing pump is more suitable. When mixed allow to stand for one minute and the screed will be 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 to a depth of between 3mm and 20mm. 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 125-145mm 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. For depths greater than 20mm allow 24 hours to dry and prime between applications.

Easi-Screed Standard must be left to dry before applying the final decorative surface flooring. This is generally after 24 hours, although it can vary and be faster depending on the choice of surface flooring. This is generally after 24 hours, although it can vary and be faster depending on the choice of surface flooring.

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 5°C and 35°C.

Application Thickness

The recommended range of application thickness is 6-7mm, but can be applied from 2mm to 50mm.

Pot Life & Curing Time

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

Initial curing takes place within 1 hour and will accept foot traffic in 2-3 hours depending on temperature.

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

Coverage

The coverage per 20kg unit of Easi-Screed Standard mixed with 4L of water is as follows:

- 6sq.m at 2mm deep
- 4sq.m at 3mm deep
- 2sq.m at 6mm deep
- 1.2sq.m at 10mm deep
- 0.8sq.m at 15mm deep

Cleaning

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.

Self Life & Storage

The shelf life of Easi-Screed Standard is up to 6 months in unopened bags from the date of packing subject to storage in dry conditions. Store off ground.

Finishing

Easi-Screed Standard 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 do of course have many coatings that can be applied over the top of Easi-Screed Standard. However, for simplicity I will highlight the three most popular coatings 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.



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Physical Properties

Compressive Strength
(BS EN 13892-2)

1 Day	>7.0N/mm ²
7 Days	>21.0N/mm ²
28 Days	>30.0N/mm ²

Flexural Strength
(BS EN 13892-2)

1 Day	>2.0N/mm ²
7 Days	>5.0N/mm ²
28 Days	>7.0N/mm ²

Health & Safety

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.

Any Questions

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.