

Easi-Screed® Standard

Product Description

Typical Uses

Direction For Use

Application

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.

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 25kg bags.

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 4.5L of clean water into a clean suitable container. 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 3 minutes until a smooth lump free consistency is achieved. Allow the mix to stand for 2-3 minute and mix briefly for 1 minute, afterwards the free-flowing screed will be ready for application directly onto the prepared substrate.

Mixing by hand is NOT advised. For larger areas or greater thicknesses an appropriate mixing pump is more suitable. Ensure thorough mixing as an unmixed product will result in a poor or non-cure situation. Do not mix more than can be applied in 25 minutes or add excess water.

By trowel or pump. Trowel: pour a small quantity onto the prepared surface and trowel down lightly to a depth of between 3mm and 15mm. Periodically check to ensure mix remains in limit. We advise the use of a spiked roller to ensure a close tolerance surface is achieved. Pump application: *Easi-Screed Standard* is suitable for use in conjunction with professional mixer pump systems, enabling continuous application of large areas. Please contact Polycote Technical Helpline.

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 Thickness

The recommended range of applied thickness is from 2mm minimum to 20mm maximum in one layer. For filling deeper areas please contact the Polycote helpline for advice.

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Application ^(cont)

Working & Curing Times

Physical Properties

Coverage

Cleaning

Shelf Life & Storage

Finishing

Health & Safety

Any Questions

Application Conditions

Ambient temperature should be between 10°C and 35°C for 48 hours before, during and after completion of installation.

Underfloor heating must be switched off during this period.

Atmospheric relative humidity should be below 90% and the moisture content of the subfloor should be below 75%. Avoid exposure to sunlight and draughts for 5 hours as this may cause premature curing and hairline cracks.

The working time of *Easi-Screed Standard* once mixed is 20-30 minutes at 20°C.

The surface accept foot traffic after approximately 4 hours depending on temperature.

Density:	2.10 ± 0.05 g/mL
Working time:	20 - 30 min @ 20°C
Setting time:	120 - 180 min @ 20°C
Foot traffic:	4 hr
Light traffic:	24 hr
Heavy traffic:	3 days
Compressive strength:	> 25 N/mm² @ 1 day
BS EN 13892-2	> 35 N/mm² @ 7 days
	> 45 N/mm² @ 28 days
Flexural strength:	> 4 N/mm² @ 1 day
BS EN 13892-2	> 7 N/mm² @ 7 days
	> 10 N/mm² @ 28 days
Flow properties using 30 mm Ø x 50 mm flow ring: BS EN 12706	110 - 130 mm
Consumption per mm thickness:	1.7 - 1.75 kg/m²
Application thickness:	3 - 15 mm

The coverage per 25kg unit of *Easi-Screed Standard* mixed with 4.5L of water is as follows:-
4.6m² at 3mm depth
2.3m² at 6mm depth
1.35m² at 10mm depth.

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

Shelf life is up to 6 months if kept unopened in dry, frost-free conditions at a temperature between 10°C and 30°C.

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.

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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