Easi-Screed® Standard

Heavy Duty Smooth Self Leveller

POLYCOTE® Est. 1991

"maintenance made easy"

PRODUCT DESCRIPTION

Easi-Screed Standard is a strong, cementitious self leveller. It cures fast to enable a rapid return to use. Single part -– just mix with water.

It is ideal for use under tiled areas, carpets and linos. It will accept epoxy resin as well or alternatively can be used as a wearing course.

TYPICAL USES

Easi-Screed Standard is suitable to prepare and level uneven internal sub floors. It is suitable to receive floor coverings such as vinyl, carpet and ceramic floor tiles.

May be used as a wearing course in warehouses or trafficked areas as long as a suitable epoxy or acrylic paint system is applied to the surface.

SUITABLE SUBSTRATES

Easi-Screed Standard can be used on the following: concrete, sand and cement screed, stone, quarry tiles.

COLOUR

Easi-Screed Standard is grey in colour.

PACKAGING

Easi-Screed Standard is supplied in 20kg units.

DIRECTIONS 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 shot-blasting or scrabbling, to ensure a sound sub-base suitable to receive the screed.

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. This may be achieved by applying dry silica sand to the second coat of DPM whist 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

Measure 4L of clean water into a suitable sized bucket.

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.

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 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.

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 20mm.

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 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
5m² at 3mm depth
2.5m² at 6mm depth
1.0m² at 10mm depth

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.

SHELF LIFE & STORAGE

The shelf life of *Easi-Screed Standard* is up to 12 months subject to storage in dry conditions. Store off ground.

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DIRECTIONS FOR USE *Cont.*

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.

PHYSICAL PROPERTIES

Compressive Strength
(BS EN 13892-2)

1 Day	>7.0N/mm²
7 Days	>21.0N/mm²
28 Days	>30.0N/mm²

Flexural Strength
(BS EN 13892-2)

1 Day	>2.0N/mm²
7 Days	>5.0N/mm²
28 Days	>7.0N/mm²

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
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