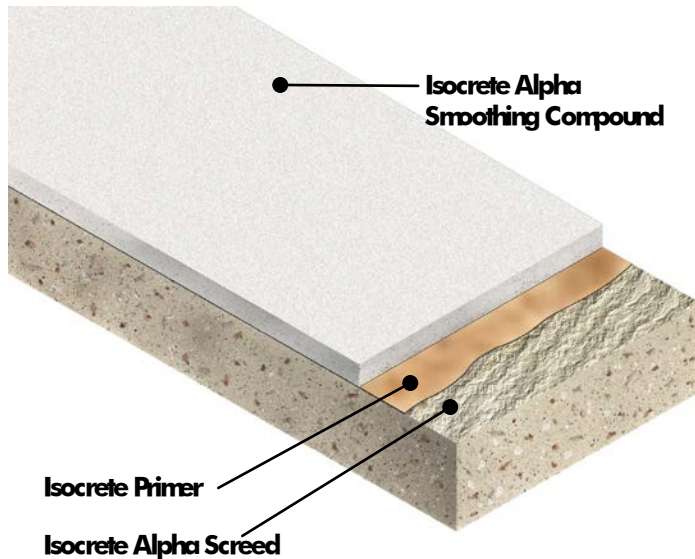


Isocrete Alpha Smoothing Compound (2 -20 mm)

Typical Cross Section



Description

A one pack polymer modified smoothing compound manufactured from a combination of natural and recycled raw materials. Hand (2 – 20 mm) or pump applied (4 – 20 mm) underlayment, for effective smoothing of Isocrete Alpha Screed surfaces before the installation of floor coverings, e.g. vinyl, carpets, ceramic tiles, wood block linoleum or cork.

Uses

Isocrete Alpha Smoothing Compound is laid at 2 – 20 mm, however a 4 mm average thickness is a typical expectation on a reasonably level base.

Not suitable in applications that may be exposed to regular or permanent water contact.

Benefits

- Self levelling, with a very smooth finish
- Laitance free, no sanding required
- Walk on after 2 hours under suitable conditions
- Can be used over underfloor heating systems
- High final strength,
BRE Test Category A. (BS8204)
- Single pack
- Protein free -will not harbour bacteria
- Environmentally friendly product

Environmental aspect

The binder for Isocrete Alpha Smoothing Compound, is a by-product, arising from the desulfurisation of coal power station flue gas. In this process, the flue gases are not discharged from chimneys direct to atmosphere but passed through a bed of lime or limestone and react to form the by-product calcium sulfate.

Model Specification

Bonded with acrylic bonding agent Isocrete Alpha Smoothing Compound to be supplied and laid bonded with Isocrete Primer to Isocrete Alpha Screed or a sanded anhydrite screed, in accordance with the manufacturer's instructions.

Substrate Requirements

The substrate should be free from laitance, dust and other contamination. The smoothing compound can be applied to the primed substrate once it is set, minimum 24 hrs from applying the screed.

Before application, ensure any underfloor heating is not working and the substrate has cooled to ambient temperature.

Products Included in this System

Bonded

Primer: Isocrete Primer @0.06 kg/m²

Isocrete Alpha Smoothing Compound 1.6 kg/m² per mm

Priming

For resin and cementitious products

Isocrete Isoseal 1st Coat @0.20 kg/m²

Isocrete Isoseal 2nd Coat @0.15 kg/m²

The second coat may be omitted when Isoseal is to be overcoated with Hydrexed DPM.

Detailed application instructions are available upon request.

Protection on Completion

Ensure the smoothing compound is not subject to draughts during the first 24 hours of curing as this may lead to cracking and crazing. Tape up doorways with polythene to prevent air movement. Prevent contamination by following trades e.g. plastering, including water spillage.

Installation Service

The installation should be carried out by a licensed contractor with a documented quality assurance scheme. Obtain details of our licensed contractors by contacting our customer service team or enquiring via our web site www.flowcrete.co.uk.

Technical Information

The figures that follow are typical properties achieved in laboratory tests at 20° C and at 65% Relative Humidity.

Fire Resistance	BS 476-7: Spread of Flame Class 1
Impact Resistance	BS 8204 Part1 Cat: A
Temperature Resistance	50° C max
Compressive Strength (28 days)	30 N/mm ² (BS EN 196)
Flexural Strength (28 days)	9 N/mm ² (BS EN 196)
Adhesion to primed Isocrete Alpha Screed (28 days)	>2 N/mm ²
Drying movement	<0.04% (expansion)
pH	<11.5
Maximum particle size	0.6 mm
Protein content	Nil
Thickness	2 – 20 mm
Laying temp	5 – 30° C
Flow ring (65 mm diam x 40 mm high)	230 – 250 mm
Mix Ratio per 25kg	5.0 litres water

Speed of Cure

Drying time for finishes in good ambient conditions, e.g. 20° C, 60%RH

When laid on a dry Isocrete Alpha Screed, typically:

1 day for a 3 mm thickness

8 days for a 10 mm thickness

For each additional mm, add a further 24 hours.

If the Smoothing Compound is laid on a substrate that is not dry to 75% RH as per BS8203, the drying time will be extended.

Drying Time

Moisture sensitive floor finishes can be installed when the screed is dry to 75% RH as per BS8203. After 24 hours curing without draughts ensure the area has sufficient ventilation to allow the screed to dry.

Important Notes

Flowcrete's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Flowcrete UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.