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DATA SHEET – Smoothcote self-levelling

DESCRIPTION:

A cementitious flooring system designed to give a 2-3mm coat with a relatively smooth surface finish.

SUITABLE SURFACES FOR APPLICATION:

Ideal for recoating uneven screed floors, tiled floors etc, provided the substrate is sound. Can also be applied over wood floated or steel trowelled new mortar screeds. Interior and exterior applications. Ideal for Chemstain applications.

DO NOT APPLY OVER WATERPROOFING SYSTEMS. DO NOT APPLY ON BALCONIES.

SURFACE PREPARATION:

Inspection:

Make sure surface is in a sound condition, free of powdering, flaking materials, etc. Tap the base all over to ensure the concrete is sound. Scrutinize the entire floor area for small stains or spillages of carpet glue, creosote (used on roof timbers) etc, as these will mirror through causing oily looking patches. These types of contamination must be removed prior to the application of Matt Sealer and Smoothcote.

Use a **moisture metre** to test for moisture in the screed as too much moisture that is not visible may cause the smoothcote to darken or delaminate. The moisture should not exceed 8%.

Direct sunlight onto a wet screed will heat the surface considerably. This will cause the Smoothcote to harden quicker than usual during application and may result in fine cracks. Cover windows with drop sheets or paper, especially in summertime and windows or sliding doors that go to the floor.

OVER TILES:

Smoothcote is ideal for on top of existing tiles.

Please note not slate or ANY natural stone.

Tiles must not be loose, cracked, or hollow underneath. The tile grout will mirror through. To minimise this possibility, first apply a generous coat of matt sealer into the grout lines and allow to dry. Apply a thicker mixture of smooth cote and bond into the same grouted areas and as it starts to set scrape off the excess product. Leave to dry 24hours. A moisture reading of the joints should be done before work commences. Moisture content of screeds or joints should be a reading of 8 or below.

Any dirt, fine grains etc. left on the floor before application will affect the final finish. Sweep the area thoroughly or best use a vacuum cleaner.

Apply the smoothcote 25kg powder to 1 x 5L EASIFLOOR. To the entire floor using a steel trowel, keep the thickness at 2-3mm.

Allow to cure for 3 days.

Please remember that when applying over tiles the products can take longer to dry!

Smooth screed: Use Africote Acid Edge to open the pores of the substrate allowing better grip. Refer to relevant datasheet. Floors must first be thoroughly rinsed and neutralised. Make sure surface is in a sound condition, free of powdering, flaking materials etc.

All screeds, and especially high porosity screeds, **must** receive at least 2 coats of Africote Matt Sealer prior to application of the Smoothcote to reduce absorption. The Matt Sealer is vital to ensure pinholes are reduced and the smoothcote stays workable during application.

If the smoothcote is to receive Valencia, please make sure matt sealer is applied on top of the smoothcote also it is vital to ensure pin holing is reduced.

Mixing:

Pour the 5 litres of easifloor into a **clean metal** mixing drum. Do not use a plastic bucket, as the mechanical stirrer will scrape off pieces of plastic. The plastic pieces will interfere with the placing of the Smoothcote. It is essential to use an impellor driven by a powerful electric drill. Hand mixing will not remove the lumps that result from adding the powder to water.

Do not add additional water or bond to the powder. It will affect performance.

Slowly add 1 x 25 Kg bag of Smoothcote powder to the Easifloor while stirring. Mix thoroughly and allow to stand for 7 minutes to gel. Stir the mix thoroughly again prior to application on the floor. As the mix is quite fluid and will therefore settle quickly, stir the mix in the container each time just prior to pouring onto the floor. As the product contains graded aggregates that can separate.

Application:

Only if the original floor is rough and uneven should it be necessary to apply a second coat of Smoothcote (matt seal in between to prevent pinholes). Pour the Smoothcote evenly onto the floor, enough to trowel at arm's length. Use good quality stainless steel trowels. Work quickly and evenly. Each applicator should have a maximum of 1.5-metre width to trowel. If possible, apply the Smoothcote across the shortest width and continue down the longest length, as one would do in a passage. Ensure there is a point of exit. Finish the area in one continuous operation. The trowelled edge must not be allowed to stiffen or dry throughout the application process. Unsightly trowel and joint marks will be visible if the coating is allowed to dry at any time during the application. Avoid mixing quantities less than a full bag, as the product contains graded aggregates that can separate.

NB: Trowel with an even or sweeping action to give 1 to 2 mm thickness.

The material is virtually self-levelling. Finish each section as soon as possible to allow trowel lines to settle. Complete the floor in one operation. **Once mixed the pot life of the product is 20 minutes.**

Vertical surfaces:

Such as steps or overhangs, plaster the lip to give it a thicker edge as these get worn off with friction. Brush on EASIFLOOR then some smoothcote and bond, apply matt sealer to this vertical surface. Allow to dry thoroughly.

Caution:

Using Smoothcote as a final floor finish: Colour changes can result from different concrete mixtures and strengths. The colour change will not be that noticeable in different rooms, but in the same area it will be noticeable. Please note: the Smoothcote has no colour retainers and was not designed as a final coating. Colour variation must be explained to your client.

IF OLD TILES HAVE BEEN REMOVED WITH A JACK HAMMER RATHER FREFRAIN FROM INSTALLING ANY OF AFRICOTES FLOORING. THE VIBRATION OF THE JACK HAMMER LOOSENS THE OLD SCREED. THIS IS NOT VISIBLE OR APPARENT UNTIL AFTER A NEW SCREED HAS BEEN LAID.

Note that a few trowel marks will show. A skilled applicator will be able to minimise the trowel marks. It is more of a slow pulling action than trowelling.

As a general tip remove your masking tape within a gap of 2 hours, as it Removes so much easier than once it is fully cured.

TIPS:

Leave windows slightly open to give enough air if they are closed condensation will build up on the windows and drip onto the floor and once sealer has been applied these spots will show up. Ensure the surface is completely dust-free before sealing.

USES:

Use: Interior and exterior
Appearance: Seamless floor with slight trowel marks
Spread Rate: 8m² per 25kg applied at recommended 2 - 3mm thickness
6m² per 25kg applied at recommended 2-3mm thickness overtiles

PACKAGING: 25KG Bags

MPA: 15-19 Mpa

Concrete hammer HT-225A in accordance with DIN1048 and BS1881

STORAGE: Store in dry, cool conditions and ensure bucket is sealed airtight.

CLEANING OF TOOLS: Wash immediately after use with clean water.

SHELF LIFE: 6 Months

HEALTH AND SAFETY: Smoothcote part A and part B are not flammable. Smoothcote contains fine cement and aggregates. Avoid inhalation. Contact with product may cause irritation to sensitive skin. Wear suitable protective clothing, gloves, and eye/face protection.

FIRST AID:

EYES: Do not rub. Flush with plenty of water. Seek medical advice.

SKIN: Wash thoroughly with soap and water.

Wash immediately after handling. If condition develops seek medical advice.

Inhalation: move to fresh air if symptoms persist or develop, or if ingested, seek medical attention.

Wash thoroughly immediately after handling.

Easifloor is non-flammable waterbased latex and is milky in appearance.

NB: **No** claims will be entertained where applications are done using other manufacturer's products in combination with Africote products. This includes bonding liquids, filler coats, sealers, undercoats etc.

NB: Due to ongoing research and development undertaken on our coatings and the application process, coupled with technological advances in the industry, please consult our factory to ensure you have the latest Data Sheet.