cement with style

SIGNATURE FLOOR COAT DATA SHEET

DESIGNER CEMENT COATINGS

www.mixxcement.co.za

Signature Floor Coat is a thin film trowel coat that is ideally used in domestic and light commercial venues. This is a two-coat application with a complete film thickness of 1.6 - 1.8mm and leaves you with a lovely mottled appearance.

TECHNICAL DATA

Product	Signature Floor Coat
Type	Modified cement coating
Application tools	Steel Trowel
Protective Gear	Gloves & Masks
Final thickness - 3 coats	1.6 - 1.8mm
Coverage	Approx. 30 - 35m^2 per kit
Kit	1 x 30Kg bag and 2 x 5L binders (35m^2)
Colours	9 Colours
Ambient Temperature	6 - 25 ℃
Slab Temperature	6 - 25 C
Pot Life	5 Hours
Work time once mixed	5 Hours
Initial set once applied	2 hours (weather dependant)
Light foot traffic once applied	2 hours after initial set
2nd coat application	2 - 3 hours after initial set
Care after final application coat	Clean socks to be worn prior to sealing
Curing	After final coat allow 48 hours prior to sealing
Compressive strength	(28days)
Storage	12 Months from date of invoice

SUITABLE SURFACES

Signature Floor Coat is ideally applied onto a well cured (28 days) cement or concrete substrate. Toppings should be integrally sound, have good compressive strength (20 MPa - 30 MPa) and be free from cracking, crumbling or scuffing. All toppings should comply with NHBRC regulatory standards and have a moisture content of less than 5%.

Ideally expansion joints should be allowed every 3 to 4 meters and should be placed corresponding with the base concrete joints.

Due to Signature Floor Coat being a thin film coating the product should be applied to an even surface and will not rectify valleys and ridges but will simply follow the existing floor or wall level.

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SURFACE PREPARATION

The floor should be clean and free of any dirt, dust, oil or chemical spills. Floors should be washed with Mixx Bio-Clean to remove any oil or grease spills and thereafter if contaminates still present, rewash with Bio-Clean or if necessary a light acid wash. It is **VITALLY IMPORTANT** to rinse floors extremely well with clean water, to remove all soap or acid residue. Floor must be left to dry completely, dependant on weather this can take one to three days. Sand with a coarse grit sand paper P40 to remove any grit high spots and any other contaminates that may be present. Vacuum or sweep thoroughly to ensure a dust free surface. Any possible latent or visible marks should be treated by sealing with Mixx "seal in" primer to avoid unwanted bleeding of contaminates on your final finish.

Mixx Cement with Style cannot be held liable should Signature Floor Coat application be compromised as a result of adhesion failure or bleeding of contaminates occurring, due to deficiencies or lack of surface preparation.

MIXING

Into 2 buckets, decant 1 x 5L plaster binder into each bucket (total of 2 x 5 L). Slowly add the powder equally into each bucket while stirring vigorously with the Mixx Mixing tool. Continue to stir until all powder is mixed thoroughly with no lumps. If the mixture is too thick you can add more powder binder **NB NEVER ADD WATER!**

Decant contents of both buckets into each other to ensure the mixtures are thoroughly integrated and mixed. Leave mixture to stand and Gel for 10 minutes (This is an important step and must **NOT** be ignored)

After 10 minutes mix once more, product is ready for application.

APPLICATION

Prior to application ensure surface is completely dry after acid wash and vacuumed or swept so it is free of dirt or dust. Ensure that all edges are neatly taped with masking tape. Pour a small workable amount of your mixture enough to trowel at arm's length onto the floor. With a slightly flexible standard steel trowel, work the areas at a close range and always maintain a wet edge. The film thickness should not exceed 0.9mm. If high spots are prevalent they will be covered with the second coat. It is recommended that floors are continually swept clean during this process to avoid contaminates scratching the plaster. Ensure tape is removed whilst product is still damp. Uneven trowelling marks can be hand sanded using P80 sandpaper within 6 hours of application but no longer than 24 hours after application. The above procedure can be repeated for the 2nd coat, ensuring that while the plaster is stiff you use your trowel to burn and create the movement in the plaster to your desired effect. Once the final coat is applied the floor can be sanded with P80 or P100 if necessary within 6 hours and then **MUST** be left for a **MINIMUM** of 48 hours to cure prior to sealing (the longer you cure the stronger your finish). Ensure all persons wear clean socks whilst moving over the floor.

CURING

Leave the floor for 2 days to cure (48 hours after final application), and ensure no animals or persons walk on surface during this time.

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SEALING

Do not seal the floor unless the floor has cured for a minimum of 48 hours or you will lock in prevalent moisture and have a putty soft surface. Prior to sealing ensure that the floor is smooth, all high points are sanded flat and the moisture content is less than 5%. Ensure that the surface is continually swept during the seal process. Signature Floor Coat is sealed with Mixx Supreme Seal in a two-coat application maintaining an even film thickness throughout the process. First cut edges using a 75mm blondie brush. A short pile mohair roller is used to roll the sealer on in an even film thickness. Ensure that cutting and rolling is done together, do not cut ahead of the rolling. The second coat can be applied within 5 - 7 hours (ensure first coat is not tacky).

After the final coat of sealer is applied, it will be touch dry within 5-7 hours and can be moved on the following day but care needs to be taken not to drop heavy objects or drag furniture across the floor. Mixx Supreme Seal takes 5 days to reach its maximum hardness.

MAINTENANCE AND CARE

Signature Floor Coat can be cleaned by using a few drops of eco-friendly soap in a bucket of warm water with a squeegee. Very soiled floors can be scrubbed with a scrubbing brush.

Disclaimer Advice

Mixx Cement with Style provides all information based on many years of experience in the field of cement coating application and manufacture. The information is given in good faith but no guarantee of any performance characteristic is given or implied. Mixx Cement with Style cannot be held liable for consequential damage of whatsoever nature that may rise from the use of the Mixx product by third parties.

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