



Ammended Feb 2019

DATASHEET- FLOOR HARDENER DRY SHAKE

Description:

Floor Hardener Dry Shake hardens to a rustic, marbled and durable finish. Suitable for interior and exterior use. Floor Hardener is a specially formulated mixture of Portland cement, selected and screened sands and light fast inorganic pigments.

Suitable surfaces: Make sure surfaces are free of latent, flaking, or powdering materials.

It is recommended that the substrate to receive the screed is well chipped.

Damp-down the substrate with a 50/50 mixture of water and Plaster Bond.

Follow with a slurry consisting of Portland cement mixed with 50/50 ratio of water and Easi floor mixed to the consistency of cream before applying the *screed*.

Do not let the slurry dry out during the application of the screed. Apply the slurry in stages as the screed is placed. Brush the slurry into the substrate.

1 Volume of 42,5 ordinary Portland cement.

PREAMBLE:

It is recommended that a test panel be laid. Obtain the customers approval on the final colour and application, after the Polyurethane sealers have been applied.

NOT TO BE USED ON EXTERIOR BALCONIES

Dry shake application onto an existing 40mm-100mm screed:

Recommended formulation of the concrete *substrate*: note this slab must be well cured and the surface must be rough.

1 ¼ Volume 42,5 Portland cement

3 Volumes clean crusher dust 0.6mm (good quality)

1 Volumes plaster sand

The finished surface of the substrate must be well trowelled. The screed should be a minimum of 25 to a maximum of 40 mm thick.

Trowel to a smooth even finish.

If the finish is "hungry" or stony, the surface will require an excessive amount of Floor Hardener powder.

4 Volumes of clean & graded crusher sand

APPLICATION OF DRY SHAKE:

Once the concrete or screed has been laid, stomped, and wood floated wait until the stiffening process occurs i.e. when the "bleeding" water rises to the surface. The concrete or screed can now be walked on. Using a perforated tin with 4mm holes evenly spaced sprinkle about 2-½ litres (3 Kg) of Floor Hardener per square metre. Work continuously at arm's length.

Once the dry powder has absorbed any surface water, float the surface with a wood float and then a steel trowel, as desired.

The wood float must be of a good quality. Ensure the underside of the float is slightly convex. This will ensure the aggregate in the substrate is not "rolled" out.

Should a grey concrete colour still be visible, re-apply additional powder to that area and trowel as described above. Before sprinkling the powder, the grey areas may be lightly splashed with water using a block brush or fine spray. Complete entire floor surface in a single operation.

When walking on the surface, ensure feet are properly covered with plastic to avoid contamination.

A maximum of 40m² can be achieved in 1 day. Plan your application, accordingly, using aluminium strips as your stop point.

CURING AND DRYING

Floor Hardener applied onto newly laid concrete or newly laid screeds must be allowed to cure for a minimum of 14 days before sealing.

Water down the concrete or screed a few times a day for 5 days after placing for improved curing. Alternatively cover with plastic sheet about 8 hours after placing. Remove sheeting and allow an extra 5 day's curing.

It is not necessary to sand the Floor Hardener; however, the surface may be sanded with 220 grit sand paper prior to sealing. Sanding will alter the colour and texture. The difference in colour will be more noticeable after sealing. The colour will be a shade or two darker.

If the floor is sanded, the entire floor must be sanded as evenly as possible to avoid colour variations.

SEALING AFTER CURING

Ensure the surface is dry, moisture free, dust free, free of marks, grease, and any contaminants. The sealer will highlight any marks. A moisture reading should be done anything below 8 is now ready to be sealed.

Seal with 1 coat of Africote Matt sealer or 1 coat of Cote & Harden. Allow 8 hours drying before applying two coats of Twin Pack or Epoxy Sealers. As the floor already has a coat of Matt Sealer, allow 30 hours drying time between the coats of Twin Pack or Epoxy sealer.

Note: Epoxy Sealer is for indoor use only.

Follow the manufacturer's application instructions.

The floor will darken by a shade with the application of the Matt sealer.

If Twin Pack or Epoxy sealer is applied without first coating with Matt Sealer or Cote & Harden, the colour will darken even further.

The Twin Pack sealer is an industrial grade and is as hard as can be made. It remains a "plastic" coating and will not withstand furniture being dragged over the floor.

Coverage of Floor Hardener:	9 - 13 sq. metre per 25 kg bag
MPA:	30-33 Mpa
Packaging:	Concrete hammer HT-225A in accordance with DIN1048 and BS1881 25 kg Polypropylene bags.
Shelf Life:	6 months
Colour Range:	24 standard colours.

GENERAL INFORMATION:

Being a cement-based product, Africote Floor Hardener should be stored well away from any moisture. Keep bags sealed and off the floor.

Due to the cementitious material in Floor Hardener, the shelf life is limited to 6 months. For this reason, the product is generally made to order. A 7-day lead-time is required for this purpose. To alleviate the possibility of colour variance, the entire required quantity should be ordered at the same time to ensure it is manufactured as one complete batch.

HEALTH AND SAFETY:

This product contains fine cement and aggregates. Avoid inhalation and contact with the product. Contact may cause irritation to sensitive skin. Wear suitable protective clothing, such as gloves. In case of insufficient ventilation, wear suitable respiratory protection. Wash thoroughly immediately after handling.

DO NOT TAKE INTERNALLY
KEEP OUT OF REACH OF CHILDREN
THIS PRODUCT IS NOT FLAMMABLE

FIRST AID:

Eyes: In case of contact with eyes do not rub. Immediately flush with plenty of clean water.

Skin: Wash thoroughly with soap and water.

Inhalation: Move to fresh air.
In all cases, if symptoms persist or develop, seek medical attention.

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