



Amended Oct 2017

DATA SHEET - GLEAMCOTE SELF LEVELING

DESCRIPTION:

Africote Gleamcote self-leveling: is an epoxy based, solvent free two-part Tertiary / Amide cured system designed to give a seamless floor with excellent chemical resistance, durable and hard wearing surface when applied for domestic or industrial use

For **internal** use only. Exposure to direct sunlight will cause yellowing and deterioration over time.

SUITABLE SURFACE, PREPARATION AND INSPECTION:

The nature of Gleamcote is that it's got a lot off surface tension or "pull" and for this reason it is critical that the surface preparation work and the substrate it is going to be applied onto is solid and sound concrete slab / screed with no surface cracks. This product is **NOT** recommended to be applied on Tiles, under floor heating systems, laminated floor surfaces and previously painted floor surfaces.

Surface must be clean, dry, and sound. Free of any powdering. Any contamination will result in product failure. The screed must be tested with a "concrete hammer" and the minimum strength must be at least 30MPa. If this hammer test can't be done another option is to use a hammer and chisel and try to "chip" out a piece of the concrete this should be a difficult task to do if the screed is hard and that will give a good indication that the strength of the screed is "strong" enough but not a real 100% indication that it is suitable. If it does "chip" easily the strength is not good enough and Gleamcote should not be applied.

For new concrete floors it **Must** be acid washed 1st using Africote's **Acid Edge**, apply the product directly to the floor (do not dilute) using a hard bristle broom wash the floor, after completion rinse the floor with clean water leave the floor to dry for a day or two, please ensure the rinse is done properly no traces of the Acid Edge must be left on the floor. For new and all other floor applications a priming coat **Must** be applied 1st this will be our Africote Epoxy floor paint one coat will be sufficient, left to cure for at least 24hrs then the Gleamcote system can be applied. It is also recommended to apply the product in such a way that the natural floor expansion joints are left open to "move" over coating the expansion joints may result in the product cracking, reason no natural movement of the screed can happen.

CAUTION: Africote Gleamcote is extremely sensitive to "fisheye" bubble formation. The following are the causes:

Free moisture in floor and air greater than 4% - take moisture readings if in doubt. Ensure the surface is dry.

MIXING:

The mix ratio is 5 parts to 1 part (5 x parts A / Paint to 1 parts B / Hardener)

Note that the containers are not full, Reason for this is that the product is sold in weight and not volume; it is 5kg / 20kg for part A and 1kg / 5kg for part B

Use a clean & dry metal container for mixing.

Add the contents of the container marked HARDENER / Part B and the container marked Gleamcote part A (Paint) together in a suitable metal container.

Using a suitable: **mechanical stirrer MIX SLOWLY AND THOROUGHLY FOR AT LEAST 5 MINUTES (if this is not done there is a possibility of colour and product separation of the two components on the finished floor leaving then UN desired markings)**

THEN LEAVE THE TWO MIXED COMPONENTS IN THE CONTAINER FOR AT LEAST 3 MINUTES FOR MOST OF THE AIR ENTRAPMENT TO ESCAPE mix the Part A with the Part B. Mix slowly to minimize air entrapment.
NB: Make sure that all equipment and tools plus container used to mix the products are clean and moisture free.

Do not mix Africote Gleamcote with Hardener that can't be applied within 1 hour. On hot summer days the pot life could be less than one hour.

APPLICATION:

Use the Africote Epoxy Rake. Drag out to an even thickness **slowly**, depending on the thickness requirements. **Maintain a wet edge at all times.**

The self-levelling properties of the product will level between 1.5 to 2mm dry film thicknesses. The GLeamcote CAN be applied at any thickness if it is barred off and won't be able to flow to its normal and natural levelling level.

RECOMMENDED FILM THICKNESS:

For heavy duty chemical plants and high traffic areas the recommended dry film thickness is 1.5 to 2mm
For domestic and light duty floors recommended dry film thickness is 500 microns up to 1mm.

Gleamcote after application must be left for at least 48 hrs. To cure before any traffic on the floor, also no feeling or touching the product in this 48 hrs. time frame (the oil / fat in your fingertips will react with epoxy and cause matt marks in the film) , full cure take 7 days therefore care should be taken within the first week to avoid heavy traffic on floor.

Although Epoxy sealers are known for their hardness, they will not withstand heavy traffic within the 1st 7days

Finish:

Africote Gleamcote is a man-made application. The material is virtually self-levelling, meaning trowel marks, slight dips and troughs are a part of the overall finish.

Usage of floors:

Chairs with a small footprint and / or sharp edges on the foot-piece may leave marks. "Rocking "on a chair intensifies the pressure on the floor cover the foot-piece of the furniture with carpeting or plastic cap. Do not drag heavy furniture across the floor. When dropped, heavy knives and cutlery can penetrate the film leaving UN desired marks and chips in the floor film. Because the Gleamcote is still a plastic film and gives such a high gloss seamless finish the possibility of scuff and scratch marks is a reality, to prevent this Africote recommend after the 48hrs initial curing to then apply one single coat Africote floor coat epoxy clear matt , this will eliminate visible scratch and scuff marks

Packaging – Two Part System:

6kg pack:

Gleamcote part A	5 Litre metal container with 5kg of product.
Gleamcote part B	1 Litre metal container with 1kg of hardener

25kg pack:

Gleamcote part A	20 Litre metal container with 20kg of product.
Gleamcote part B	5 Litre metal container with 5kg of product.

Std. colour range:

Carnelian, Smokey Quartz, Sunstone, Kyanite, Topaz, Matrix, White

Natural oxide colours can be developed on demand (with development fee and additional costs depending on the colour)

Coverage: 2 to 3 sq meters per 6kg kit at 1.5 to 2mm film thickness
Depending on substrate
6 to 9 sq meters per 6kg kit at 500-micron film thickness
Depending on substrate

Shelf Life: 6 Months in sealed containers. Store in a cool dry place.

Cleaning of Tools: Use Africote Gleamcote solvent

Health and Safety:

This product contains volatile hydrocarbon solvents. Avoid inhalation. Contact with wet product may cause irritation or burn sensitive skin. Wear suitable protective clothing, gloves, and eye/face protection. In case of insufficient ventilation, wear suitable respiratory protection. Like all smooth finishes, Africote Gleamcote is slippery when wet.

Caution: The product is highly flammable:

The product should not be exposed to a naked flame. No smoking during application.

EYES: In case of contact with eyes do not rub. Immediately flush with plenty water. If condition persists, consult a Doctor.

SKIN: Wash thoroughly with soap and water. Remove soiled clothing. If irritation persists, consult a Doctor.

INHALATION: Move to fresh air.

Do not take internally. Keep out of the reach of children.

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.