



Amended 09-11-2015

## **DATA SHEET**

### **CLEAR / PIGMENTED EPOXY FLOOR COAT**

#### **DESCRIPTION**

Africote Clear / Pigmented Epoxy floor coat is a solvent based two parts Polyamide cured system designed to give a chemical resistant, durable and hard wearing surface on a concrete floor. The clear epoxy floor sealer is also a perfect system to apply over Africote's Flooring Products like Chastain's, SL Floor hardener and Skimcote C. Combined film thickness for 2 coats is 100 to 300 micron. Two coats are recommended.

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

#### **SURFACE PREPARATION AND INSPECTION**

Surface must be clean, dry and sound. Free of any powdering. Any contamination will result in product failure.

**CAUTION:** Epoxy clear and pigmented are both extremely sensitive to "fish eye" bubble formation. The following are the causes:

- Free moisture in floor greater than 4% - take moisture readings if in doubt. Ensure the surface is dry.
- Dust Particles – each dust particle will produce a fish eye bubble. Therefore floors to be sealed should be thoroughly vacuumed before sealing.

#### **COLOUR VARIATION**

Sanding of the floor will cause a difference in porosity. All areas sanded will show up as darker spots. Trowel marks etc will also show up as different colour shades.

The Epoxy clear will highlight any marks on the floor.

The Epoxy clear will darken all surfaces by a few shades. To reduce the darkening effect an **even** coat of Africote Matt Sealer should be applied and allowed to dry for 6 hours.

The Epoxy clear also accentuates the "movement" or colour variation in the floor. If it is desired to reduce the "movement", it is recommended to first apply an **even** coat of Africote Matt Sealer.

## **MIXING**

The mix ratio is 4 parts clear to 1 parts Hardener.

Note that the containers are not full. This allows for adding the Hardener to the Clear / Pigmented with space for mixing. We recommend that only full mixes be made as the mass in each container is carefully weighed. Once mixed the volumes will be 1 and 5 Litre depending on pack size.

Use only clean & dry metal containers.

Add the contents of the container marked HARDENER / Part B to the container marked CLEAR / COLOUR / PART A.

Using a suitable mechanical stirrer thoroughly mix the Part A with the hardener / Part B. Mix slowly to minimize air entrapment.

For air assisted spraying the first coat may be diluted up to 15% with Epoxy Solvent, available from Africote. **NB:** Make sure all tools and containers used for mixing are clean and moisture free.

**Do not mix more Epoxy with Hardener than can be applied within 1 hour. On hot summers days the pot life could be less than one hour.**

## **APPLICATION OF EPOXY FLOOR PAINT**

Use a dry short mohair roller or quality paintbrush. Roll to an even thickness **slowly**, cross roll to avoid roller join marks. Maintain a wet edge at all times. Complete entire floor in one single operation.

Keep coats thin. Thick coats can cause delamination and take considerably longer to harden.

Africote Epoxy can also be spray-painted. Use only Epoxy solvent to reduce viscosity. Do not use lacquer thinners.

Allow to dry for 24 hours and apply a second coat as above.

In cold or humid conditions allow the first coat to dry for 2 days.

If a first coat of Matt sealer has been applied, wait a minimum of 6 hours before applying the first coat of Epoxy Sealer. Allow an **extra** 6 hours (i.e. total 30 hours) **between** coats of Epoxy sealer.

**NB: If "fish eye" bubbles are present after application of first coat:**

- Sand areas containing "fish eye" bubbles with 180 grit water paper.
- Wipe areas with xylene solvent and allow xylene to flash off (evaporate) about 1 hour.
- Now apply second coat Africote Epoxy floor paint as above.
- Allow to dry and harden for 24 hours.

Do not use old paint brushes to apply the Epoxy coating as solvents in the Epoxy will dissolve dried paint on the brush or roller. The dissolved paint will leave marks in the applied Epoxy.

**Epoxy Floor coat take 7 days for full cure and therefore care should be taken within the first week to avoid traffic on floor.**

Although Epoxy sealers are known for their hardness, they will not withstand heavy furniture or garden furniture being dragged over the coating. This is Especially true when the floor is put into service before it has reached full cure.

**Std. colour range**

The clear is available in a gloss or matt

The pigmented std. colours: Smoking gun, Matrix, Cream, White, Sky Blue

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

**Packaging – Two Part System**

**5 Litre pack**

Epoxy Part A                      5 Litre metal container with 4 Litres of Product.  
Epoxy Hardener / Part B      1 Litre metal container with 1 litres of hardener

**Coverage:**                      5 to 8 sq. meters per litre. Depending on substrate

**Shelf Life:**                      6 Months in sealed containers. Clear & Hardener kept separate. Store in a cool dry place.

**Cleaning of Tools:**            Use Africote Epoxy solvent or Brush cleaner.

**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. Similar to all smooth finishes, Epoxy are 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.