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DATA SHEET-Aqualoc (waterborne polyurethane)

DESCRIPTION:

Africote Aqualoc Sealer is a clear suede UV (ultraviolet) stable, Waterborne Polyurethane. The sealer is a water based two-part sealer designed to give a durable hard-wearing surface when applied over Africote's Flooring Products, Chemstains and other concrete surfaces.

Suitable for internal and external use. (UV stable)

SURFACE PREPARATION AND INSPECTION:

Surface must be clean, dry, and sound. Free of any powdering and moisture. Any contamination will result in product failure. We recommend a vacuum cleaner as with brooming surface dust ends up in the air and settling on a newly coated area. This leaves the floor rough to the touch. These grit particles can be removed by foot traffic, which will pull the sealer off. Leaving the floor compromised.

Note Ensure the Substrate moisture content is between 20% & 30% MAX

Applying sealer to hot or sun-baked surfaces can cause a host of problems.

It is ideal to apply while cool with ambient temperature constant or dropping.

COLOUR VARIATION:

Sanding of the floor will cause a difference in porosity. All areas sanded will show up as darker areas. Trowel marks etc will also show up as different colour shades. To ensure an even appearance the entire area must be treated in the same manner.

The Aqualoc sealer will highlight any marks on the floor. To reduce the darkening effect, first apply an even coat of Africote Matt Sealer and allow to dry for a minimum 24 hours. Longer in cool and/or humid conditions.

MIXING:

Use only clean & dry metal containers for bigger mixes.

Mixing Ratio is 9 parts Sealer to 1 part Hardener. 900ml / 4.5lt Part A and 100ml / 500ml part B. It is best to mix the entire contents of our pre-packed kit of Hardener and Sealer.

Add the contents of the container marked HARDENER to the container marked SEALER. The Sealer container is larger than the Hardener container. The Sealer container is not full to allow space for the Hardener and mixing.

Using a suitable mechanical stirrer, thoroughly mix sealer with hardener. Mix slowly to minimize air entrapment. It is not recommended to dilute.

Do not mix more Aqualoc with Hardener than can be applied within a maximum of eight hours. On hot summer days the pot life could be less. Once mixed the Aqualoc must be used.

APPLICATION OF AQUALOC:

Before application a moisture test must be carried out over the entire surface to be coated. The floor may look dry, but some areas may contain moisture.

In virtually all surfaces there are many tiny holes that are not visible to the naked eye. For this reason, the sealer needs to be thoroughly rolled out in all directions to fill the holes and voids. Always finish rolling or brushing the 1st coat in the same direction. For the second coat finish rolling at 90 degrees to the 1st coat. (Cross hatching)

Stick to an application pattern. This is most important, especially for the 2nd coat as it is not easy to see where there are one or two coats. Any uneven application will be very visible on the floor in reflected light. If the substrate is colder than the surrounding air temperature, ensure there is no condensation (dew) on the floor or ceiling.

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

Allow the first coat to dry for a minimum of 24 hours. Ensure there is sufficient ventilation to allow the sealer to dry. (Watch for dirt settling onto a newly sealed floor.) This will embed itself and make the surface rough to the touch. Matt Sealer is applied as a first coat then:

Allow the Matt Sealer to dry for 24 hours before the first coat of Aqualoc.

Wait for a minimum of 24 hours before applying the second coat of Aqualoc.

NB:

Dust particles will result in an uneven and unsightly finish.

To remedy:

Sand areas showing pockmarks from dust particles with 320 grit water paper.

Wipe areas with water leave to dry about 30 Minutes.

Now apply a second coat Aqualoc as above.

Allow to dry and harden for 24 hours. Longer in cold weather.

NB: Aqualoc is touch dry in 30 minutes and takes 7 days or longer for full cure and therefore care should be taken within the first week to avoid traffic on floor.

Used creatively it will add a new dimension to the appearance of Africote's decorative finishes. Aqualoc is perfect for wooden floors, slate and is a multi- purpose surface sealer with excellent stain resistance. This sealer is perfect for coastal areas!

MAINTENANCE AND RE SEALING:

Re Sealing:

Thoroughly clean the floors using Africote GP Degreaser. Rinse and dry, lightly sand Use 220 grit sandpaper. Be careful not to sand through the sealer. These areas will appear darker once the sealer is applied, remove dust with a vacuum cleaner and re seal.

Maintenance:

If the Mop-and-pail method is used, ensure the water is replaced regularly. The mop must not be soaked. Use Africote GP cleaner as instructed by the datasheet. Do not flood the floor with water.

GENERAL FLOOR HOUSEKEEPING:

High heels will leave marks in the surface.

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 felt or a plastic cap. (available at Mr Price stores)

Do not drag heavy furniture across the floor.

When dropped, heavy knives and cutlery can penetrate the sealer, leaving a small and almost invisible hole. If the floor is regularly cleaned with a mop, water penetration will occur at these tiny holes and dark spots will appear.

Pinholes can be cleaned out with a degreaser and toothbrush.

No harsh chemicals are to be used on the floors ie: handy andy.

It is not recommended to use any detergent that contains wax, this builds up a residue and attracts the dust and grime.

Dust and dirt particles that are hardly visible act as an abrasive. The best method to remove dust is with a vacuum. Vacuum prior to mopping.

Mopping with a damp (NOT wet) mop is effective if the area is generally clean. For areas where there is more dirt and spillage, a mop must be rinsed regularly otherwise the dirt is just spread around. Replace the water in the pail regularly.

With regular mopping, sweeping and cleaning of a sealed floor, including penetration of dust particles the lustre will be diminished.

CAUTION:

Where the floor meets and stops at a wall, there is generally a point of access for moisture. As the mop squeezes against the wall, moisture can be left behind. This will result in dark marks.

Packaging: 1L plus 100ml hardener
5L plus 1L hardener
Coverage: 8 to 10 sq meters per litre.

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

Cleaning of Tools: Water

Health and Safety:

This product contains volatile 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, Aqualoc can be slippery when wet.

Caution: Ensure sufficient ventilation 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. 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.

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VIST OUR WEBSITE AT: www.africote.co.za