

# InsulKote BROCHURE

**Kote**<sup>®</sup>  
Working for our customers success!

# InsulKote

## HEAT REPELLANT COATING

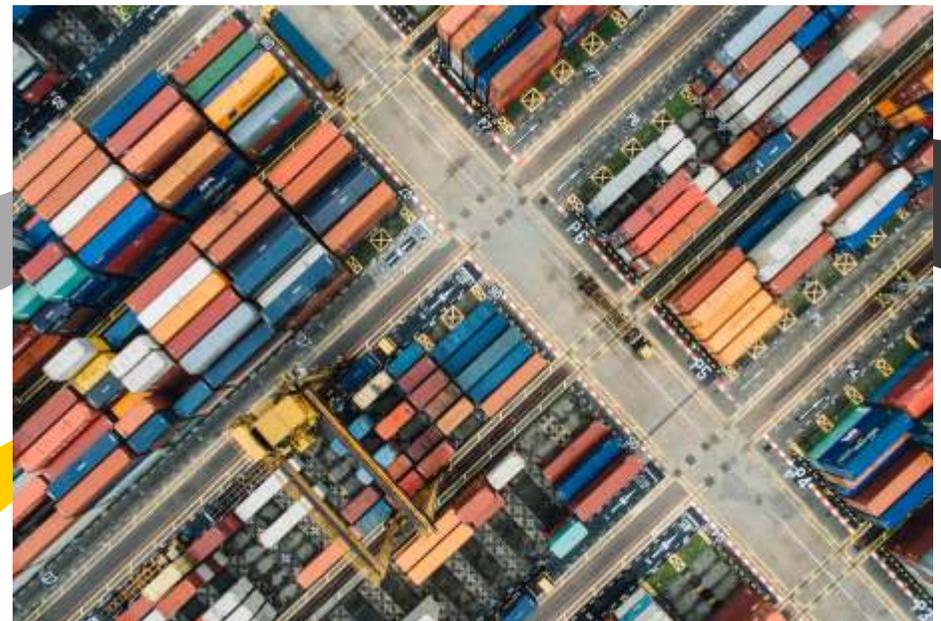
InsulKote was designed to be used as a paint-on heat protection and heat repellant paint.

With it's special ceramic aggregate the product is light and easy to apply. Not to mention with every coat you apply the more heat resistance you get.

This product can be applied onto any surface that is in direct sunlight, like silos, metal containers for shipping, corrugated roofing, wooden panels, practically anything that takes the direct sunlight.

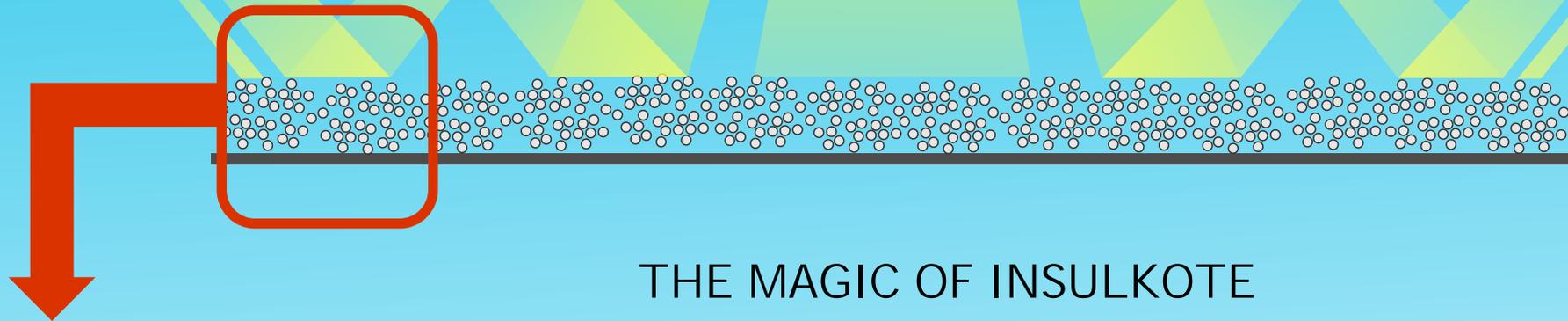
It is primarily an insulating liquid coating and as such you can radically reduce heat transfer out of or in to a building or even a box, such as cooler boxes, or structures such as guard huts, storage containers etc. to keep inner temperatures controlled.

Many clients are using InsulKote on steam pipes to protect from scalding but also heat loss inside the pipes.



# InsulKote

CLOSE UP OF THE COATING



## THE MAGIC OF INSULKOTE

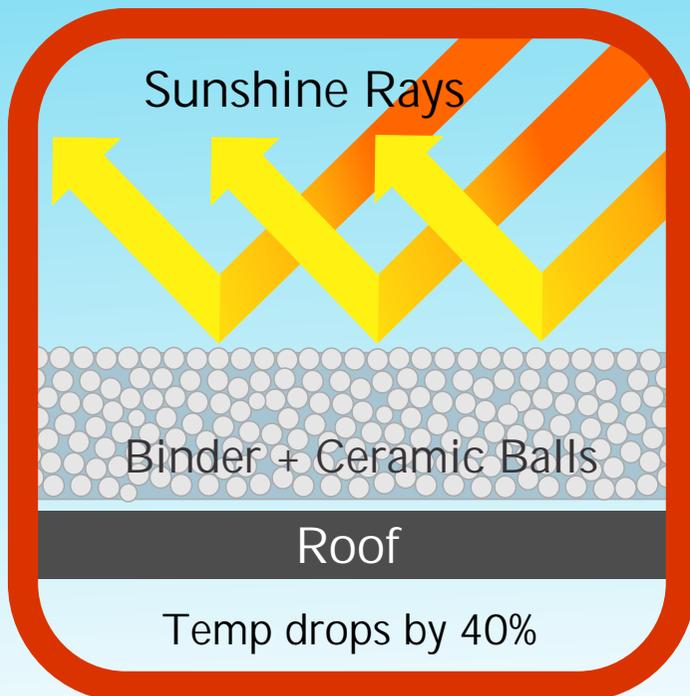
InsulKote has been specially formulated to reflect the sun's harsh rays from any surface it is applied to.

What people don't realize is what the aggregate inside our InsulKote is capable of.

At 1mm thickness the ceramic balls become stacked one on top of the other to the point where you have a minimum of 100 balls sitting one on top of the other. How amazing is that?

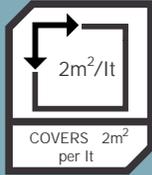
The ceramic balls are so tightly knit that even if the top layer starts to weather or break down there is still 99 balls of ceramic to get through before you get down to the original surface/roof!

Ceramic will not deteriorate in the harsh South African weather, so one can expect an exceptionally long life from this product along with temperature reduction of approximately 40% and warmth retention in the cold months!



# InsulKote

## THE BREAKDOWN OF INSULKOTE AND ITS PROTOCOLS



### SPREADRATE/COVERAGE

InsulKote covers 2 square meters per liter per coat  
\*You need to apply a minimum of 3 coats, or as desired.



### SELF CLEANING

This product is scrubbable and 100% self cleaning due to its hydrophobic nature. making it easy to maintain both indoor and outdoors. It can also be high pressure cleaned if needed.



### PROTOCOL

The InsulKote product will only be effective if you apply no less than 3 generous coats. You can apply each coat 1 hour apart in good warm weather.



### THE TOOLS

InsulKote is a water based product, meaning the only liquid you need to clean your paintbrush, roller or spray machine is water



### PROPERTIES OF INSULKOTE

InsulKote is an eco-friendly, UV Stable, VOC free, hydrophobic, flexible, dries matt, resistance to heat, has incredible adhesion and scrubbable properties, filled with hollow ceramic aggregate.



### CURING AND DRYING TIMES

InsulKote requires warmer sunny weather in order to dry and cure. Drying time between coats is 30 mins to 1 hr, and InsulKote takes 7 full days to cure with no rain.





# Insulating Coating

PROTECTIVE COATING FOR HEAT RESISTANCE

The harmful rays of the South African sun cause over heating and even damage to surfaces that are not properly protected.

InsulKote has been designed to bounce those harmful rays back out and away from itself, thereby protecting whatever it is coating.

Can be used both inside the container for temperature control as well as on the outside.

# InsulKote

## SURFACE PREPARATION

The correct preparation of the substrate is vital to the success of InsulKote and its efficacy. If you do not follow these steps you are bound to have a failure in the application of the product or other consequences because of negligence.

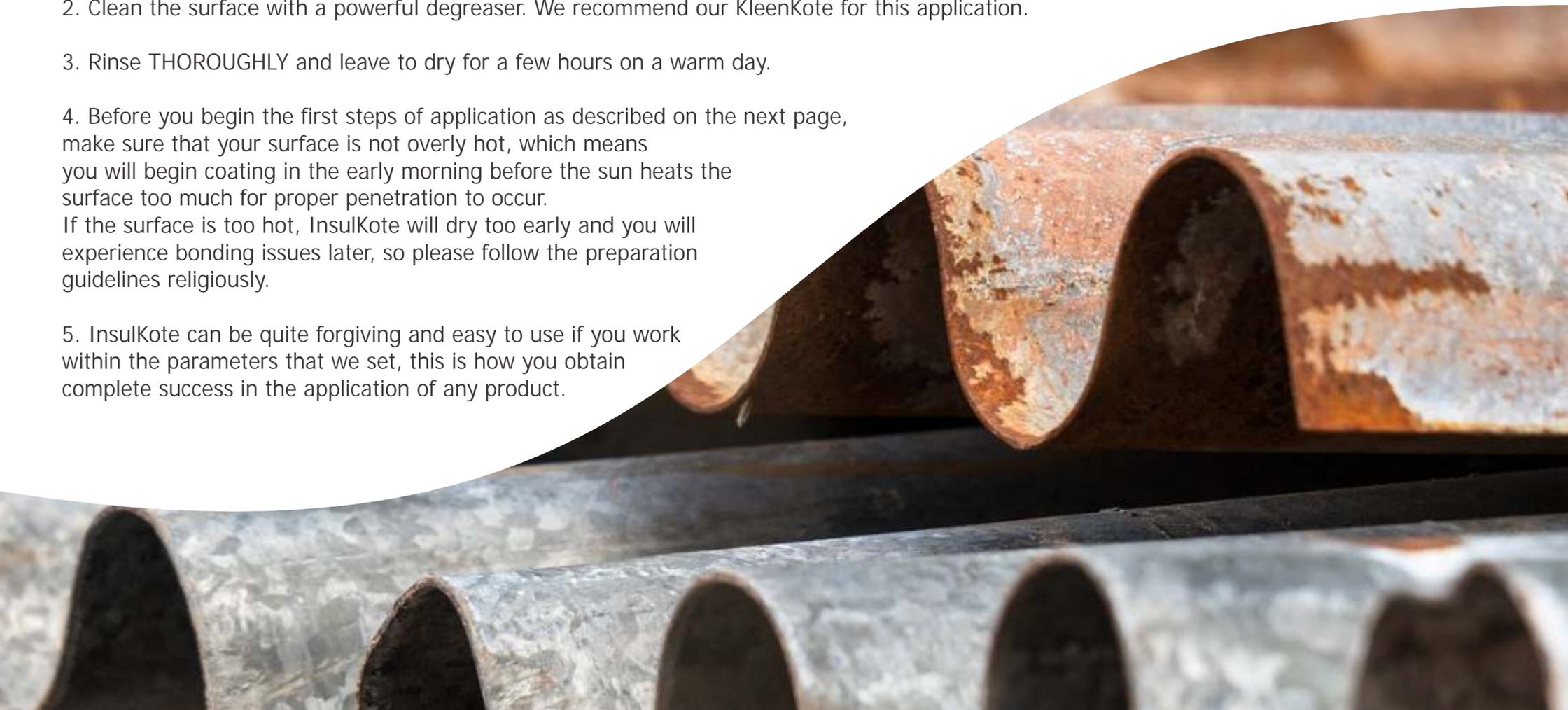
1. Make sure your surface is well inspected and repair any cracks or hollow areas where water may stand for long periods. You can do this by mixing fine clean sand with any of our binders into a paste and trowel into the cracks or over the hollows. Leave this to dry well for a day or so, depending on the weather.

2. Clean the surface with a powerful degreaser. We recommend our KleenKote for this application.

3. Rinse THOROUGHLY and leave to dry for a few hours on a warm day.

4. Before you begin the first steps of application as described on the next page, make sure that your surface is not overly hot, which means you will begin coating in the early morning before the sun heats the surface too much for proper penetration to occur. If the surface is too hot, InsulKote will dry too early and you will experience bonding issues later, so please follow the preparation guidelines religiously.

5. InsulKote can be quite forgiving and easy to use if you work within the parameters that we set, this is how you obtain complete success in the application of any product.



# InsulKote

## INSTRUCTIONS

InsulKote must be applied as follows: (depending on the substrate)

\*Make sure you follow the Surface Preparations instructions before applying InsulKote

1. Make sure to stir/mix the contents of the bucket before use. This will ensure a completely homogeneous product and ensures there are no 'gaps' in the coating where there is less aggregate.
2. Once you have mixed the product you can use a paintbrush or a squeegee or a UBS spray gun (under body spray) to apply the product to achieve different effects.
3. Be sure to do this work in good weather and at least two days prior to any expected rain. Although InsulKote dries in two hours, it will take seven days to cure fully.
4. Whilst we suggest applying three to four coats we do acknowledge that some areas need more coats than others so be sure to do a test patch before full application.
5. InsulKote is not a paint it is a protective coating and needs to be applied differently. Pour the liquid onto the surface and move the pool slowly with a brush or roller where the surface is horizontal. The exercise is not to spread for maximum coverage but for thickness of layer. When coating a vertical surface, be as generous per coat as possible without runs and it may be necessary to apply more coats because maximum film thickness is difficult to achieve. (1 to 1.5mm)

# What could go wrong?

ITS IMPORTANT TO BE INFORMED



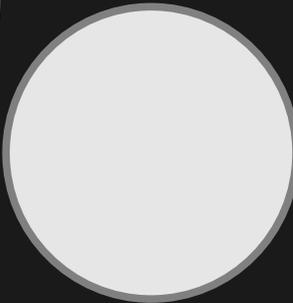
InsulKote can be abused in the following ways which could prove to be costly to you.

1. Application: If the surface is too hot then InsulKote cannot get a grip on the surface and you will have peeling.
2. The product itself: If you do not allow for each coat to dry thoroughly before the next application you will get drag marks if using a paintbrush. Also keep in mind that if it rains soon after being applied then the product is being diluted and it will not perform as promised. Therefore it is imperative to apply in good weather and a few days prior to rain.
3. Your expectations are not met: Decide what it is you are wanting from the protective coating! We make every effort to provide a product that will reduce the heat by approximately 40% and with each layer added that number grows. So do not expect to get the same amount of heat reduction with 2 coats of product as you will with 4 coats.
4. Drying time: It will take longer to dry in cold or damp weather. Also be aware of falling dew at night, so stop applying the product early in the day so as to avoid dilution of your coating. It is strongly advised to apply three or four generous coats rather than one or two heavy and thick coats. This is an atmospheric drying or evaporating drying water-based coating so please use common sense when gauging the weather conditions.
5. Rusted metal roofs: Use RustKote prior to overcoating with InsulKote, see RustKote details on website or ask for brochure.

# InsulKote

## THE BEST PROTECTION FROM HEAT

InsulKote is a highly scientific coating, a UV stabilised, self cross-linking polymer, filled with ceramic hollow spheres that reflect heat and the elements in a way that no other coating can do. It will protect from hot pipes in factories and keep metal parts exposed to the sun from scorching your hands. The more hollow spheres that are "stacked" upon each other the greater the insulating properties will be!



InsulKote is a product manufactured by Kote Products (Pty) Ltd

Find more information about InsulKote and other Kote Products on our website  
or feel free to get in touch via email or simply call

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