PebbleKote
BROCHURE

Kote®

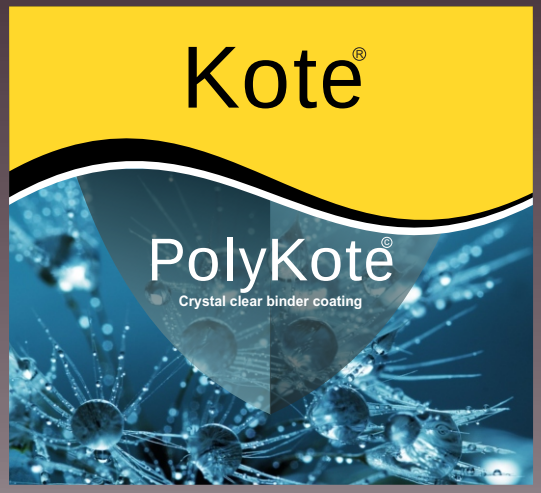
Working for our customers success!

PebbleKote

ITS MORE THAN JUST THE PEBBLES

PebbleKote is a term used by Kote Products to showcase what our two star binders can do.
Our high quality acrylic binders are UV stable , eco-friendly and flexible, making it an easy to use liquid to mix with pebbles to lay down a stunning pebble paving on horizontal surfaces as well as vertical.

For the record, **we do not sell pebbles!**



PolyKote is the most versatile binder, it is most commonly used for the horizontal surfaces like floors, tops of steps and garden paths to outdoor patios.



StickKote is the magic product that is thick like cream but is the perfect consistency to apply pebbles vertically, like walls, uprights of steps and pillars.

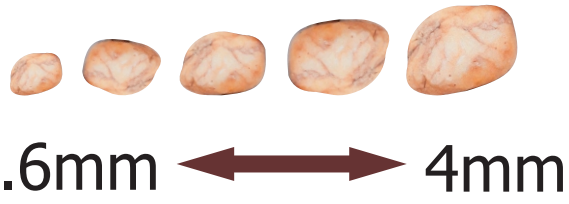
Pebbles

START AT THE BEGINNING

When it comes to choosing the right pebbles you need to keep in mind that the bigger the pebble the less compact and difficult it will be to mix and lay down with either one of our binders.

When asked we always recommend you use a pebble size of 1.6mm to 4mm, these are good sizes because they are not too big and at the same time not too small. At this size they provide a 'loose gravel' appearance which is quite desirable for most outdoor settings.
However if you are looking for something that is a little more compact and friendlier to your feet you might want to look at a pebble size that is about 1.6mm.

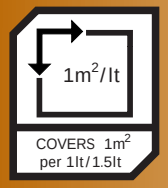
The reason we recommend such a wide range of pebble sizes is to ensure that every empty space is filled with another pebble.





PolyKote

THE BREAKDOWN OF POLYKOTE AND ITS PROTOCOLS



SPREADRATE/COVERAGE

You need 1lt of PolyKote and 8kgs of 1.6mm pebble to make the 1 square meter @ 3mm thickness

*If using the larger pebble (up to and no bigger than 4mm), PolyKote requires 1.5lt to 12kgs of 4mm pebbles for 8mm thickness



SELF CLEANING

Thanks to PolyKote you can easily wash down your pebbles with a hosepipe because of the semi-thick coating it puts over the pebbles.



PROTOCOL

PolyKote needs to be fully mixed with the pebbles to ensure that every surface of the stone has been covered with the acrylic binder. Failing to do so will result in 'dry' spots/lumps which will come loose over time.



THE TOOLS

PolyKote is to be applied with a trowel and a bucket with a wet cloth to keep the trowel free of drying binder.If doing large areas then use an 8x8mm square rod to act as a depth guide.



PROPERTIES OF POLYKOTE

PolyKote is a powerful semi-thick, eco-friendly, UV Stable, VOC free, flexible and easy to apply binder that makes it the perfect coating for any outdoor or indoor area.



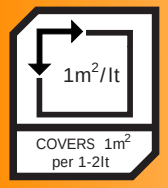
CURING AND DRYING TIMES

When PolyKote is mixed with pebbles it requires warmer sunny weather in order to dry and cure. Drying time differs depending on thickness but takes 7 full days to cure with no rain.



StickKote

THE BREAKDOWN OF STICKOTE AND ITS PROTOCOLS



SPREADRATE/COVERAGE

For pebbles @ 1.6mm size you need 1lt StickKote with 8kgs of pebble at 2mm thickness

*Alternatively StickKote requires 2lt to 12kgs of 4mm pebbles for 8mm thickness.



SELF CLEANING

Because StickKote is so thick it helps to fill any gaps in between the pebbles and thus making it easier to clean with a simple hosepipe.



PROTOCOL

StickKote needs to be fully mixed with the pebbles to ensure that every surface of the stone has been covered with the acrylic binder.
Failing to do so will result in 'dry' spots/lumps which will come loose over time.



THE TOOLS

StickKote is to be applied with a S/S trowel using firm downward pressure.
Have a bucket with a wet cloth to keep the trowel free of drying binder.
Make use of an 8x8mm square rod for depth guidance.



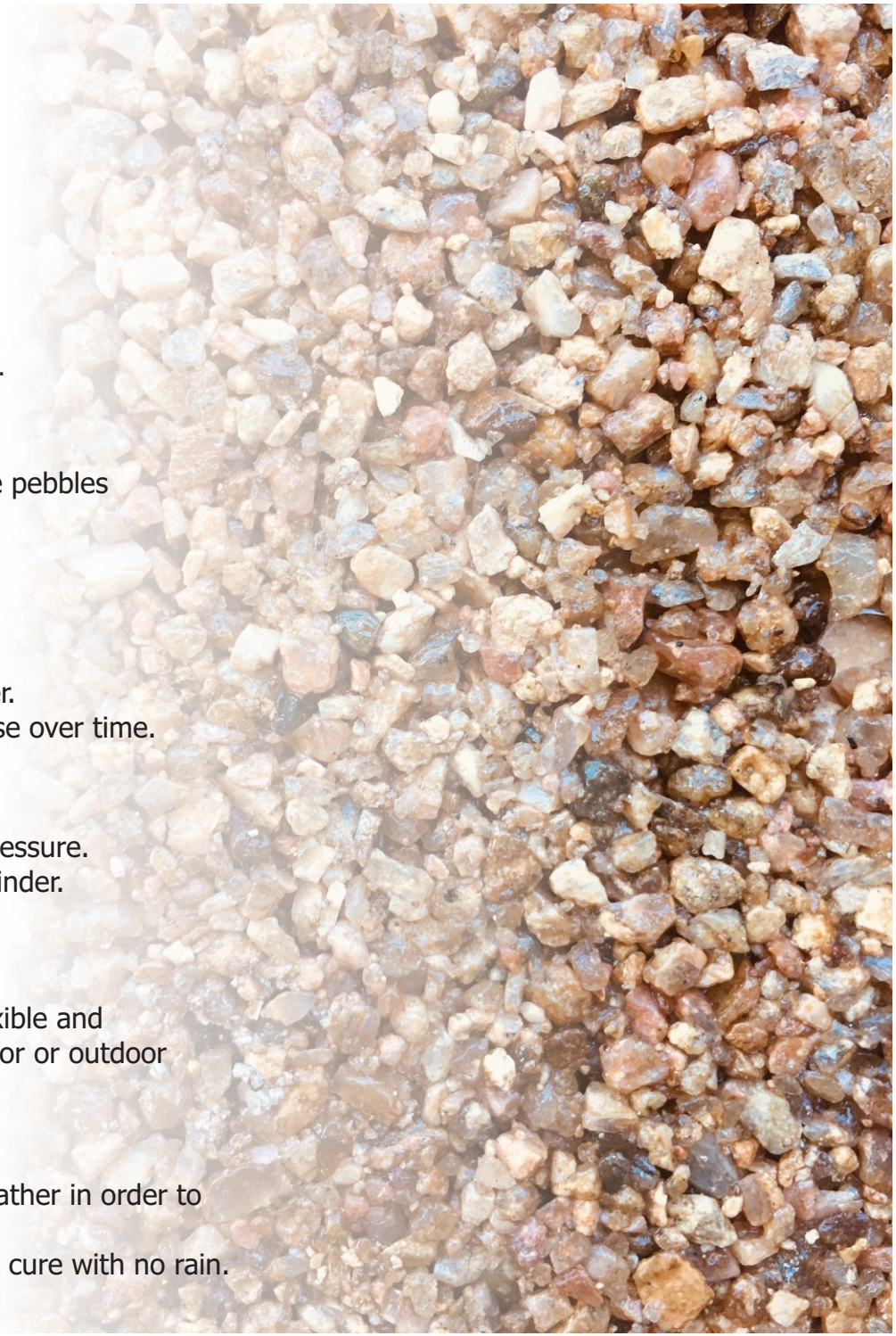
PROPERTIES OF STICKOTE

StickKote is a thick, powerful, eco-friendly, UV stable, VOC free, flexible and easy to apply binder that makes it the perfect coating for any indoor or outdoor area.



CURING AND DRYING TIMES

When StickKote is mixed with pebbles it requires warmer sunny weather in order to dry and cure.
Drying time differs depending on thickness but takes 7 full days to cure with no rain.



PebbleKote

SURFACE PREPARATION

When it comes to properly applying PebbleKote to the substrate you need to ensure you follow the most important steps and that is the SURFACE PREP.

<u>Cleaning Process:</u> Using KleenKote

Step 1: Take the KleenKote and apply to the surface like any other liquid soap. The product is quite potent so a little goes a long way.
Once you have poured a reasonable amount begin the scrubbing process with a stiff broom and make sure to completely clean every surface you intend to apply the pebble paving onto.

Step 2: With a high pressure hose wash away all the KleenKote.
You will notice that it will create a fair amount of foam, so make sure you rinse your surface continuously till all the soap suds are gone and the water runs clear.

Step 3: Allow the surface to completely dry in warm sunny weather before moving on to the next phase.







*Instructional videos are available on the Kote website

PebbleKote

SURFACE PREPARATION

When it comes to properly applying PebbleKote to the substrate you need to ensure you follow the most important steps and that is the SURFACE PREP.



<u>Primer Process:</u> Applying GripKote

Step 1: Take a paintbrush and spread a single coat of GripKote onto the area of the area you have previously cleaned. You can be a little generous with the amount as you want to ensure you have enough primer for the pebble mix to adhere to.

Step 2: Allow to dry for an hour (1hr) in good warm weather.

Do NOT apply the GripKote onto a hot surface.
This will cause the primer to have issues adhering to the substrate

Now all the prep work is done!

You can move on to the next phase!

*Instructional videos are available on the Kote website

PolyKote

OUR WARRANTY

We do not offer any guarantees for the product as it is in the hands of the customer to use the product as intended and to follow the instructions. Failure to follow the explicit advice of the team from Kote Products will end up with poor results.
Please Note: If using a contractor you can receive a guarantee from them for their craftsmanship.

TOOLS REQUIRED

A stainless steel trowel, a bucket with clean water and a rag to wipe the trowel with, a 3mm bar (for the 1.6mm pebbles) to help keep your levels smooth and precise (and an optional tool for bigger areas - a straight edge)

INSTRUCTIONS

Step 1: Make sure the surface is properly cleaned and solid. Pebble paving cannot be applied to an unstable surface.

Step 2: Place the 3mm square bar at the perimeter of your working area to ensure a consistent and even surface.

Step 3: Mix the required ratio of binder to DRY pebbles **thoroughly** and slowly so as not to induce foam.

Step 4: Lay your mixed pebbles onto the prepared surface and spread evenly with a straight edge and begin troweling with firm downward pressure which will produce a smooth finish.

Step 5: Repeat the steps till the entire area is complete. Now you will need to leave it to cure for the next 7 days in warm weather and without any rain.

PLEASE NOTE: Do not try to join pebbles! If you cannot complete the area in the allotted time of the day then ensure you have preplanned where you are happy to see a join line in your pebble paving and work to that.

StickKote (vertical application)

OUR WARRANTY

We do not offer any guarantees for the product as it is in the hands of the customer to use the product as intended and to follow the instructions. Failure to follow the explicit advice of the team from Kote Products will end up with poor results.
Please Note: If using a contractor you can receive a guarantee from them for their craftsmanship.

TOOLS REQUIRED

A notched trowel, a stainless steel trowel, a bucket with clean water and a rag to wipe the trowel with every now and then, and a straight edge if needed to help keep your levels smooth and precise.

INSTRUCTIONS

Step 1: Make sure the surface is properly cleaned and solid. Nothing can stick to a wall with flaking screed or paint.

Step 2: Once the wall is prepared take a small amount of **StickKote** and apply it to the wall with the notched trowel. This will form the adhesive glue that will help the pebbles to stick to the substrate better.

Step 3: In a bucket or on the flat surface put the pebbles into a pile and make a well in the center, pour the appropriate amount of StickKote in and mix slowly and **thoroughly.** This is a vital step.

Step 4: Once the StickKote and pebbles are mixed properly you can use a scoop or the regular trowel itself and place down the pebbles onto the bottom of the section you have prepared with the notched trowel. Make sure you press firmly against the pebbles and move in an upward motion to compress the pebbles into place.

Step 5: Repeat the steps till the entire area is complete. Now you will need to leave it to cure for the next 7 days in warm weather and without any rain.

What could go wrong?



After 40years in this trade we have seen it all, so please take careful note of this information for your own sake...

Skill not present...
No one can do all things well! And when laying pebbles, if this is not your skill set, then expect problems.
It takes experience and skill to lay pebbles perfectly and that will endure the test of time. Taking chances with the weather will backfire on you for sure. If it rains after pebbles are laid, then the binder will be compromised and pebbles will come loose, don't phone us, you have been warned!

Surface not understood or poorly prepared...
Most failures are due to not understanding what protocols to follow in preparing the surface and the condition that the surface should comply to.
"Clean and dry" is not universally the same thing. It may "look" clean and dry but grease from nature which is invisible, will GUARANTEE failure of adhesion of the binder to the surface. DEGREASE is very different to hosing down. Use KleenKote to degrease and rinse exceptionally well because the grease is in the foam, so make sure you have rinsed until no more foam is being generated.
The surface should be solid, like concrete or bricks etc, not soil!
Some very adsorbent surfaces like poorly mixed concrete may need a primer prior to laying pebbles.
Floor levels not even will cause ponding areas which play havoc with binder, ensure the surface is even and your falls are sufficiently toward the drainage points.

Joins out of hell...
When a large area is being done you must decide where you want joins and end off with aluminium trimming such as is used on tiling or carpeting. trying to join pebbles to pebbles will look aweful!

People and Pets...
You may not believe this but drama can be avoided by not allowing people or pets onto your newly laid pebbles for at least two (2) days. Disregard at your own expense!

Substrate Preparation Check List...

YOU CAN DO WHAT YOU THINK IS BEST AND PAY THE PRICE OR FOLLOW THE ADVICE PROVIDED...

1

DIAGNOSTICS OF SUBSTRATE...

CONCRETE, TARMAC, CEMENT SCREED, BRICK PAVING, SLATE, COBBLESTONE, OLD PEBBLES, TILES, ALL HAVE THEIR OWN PECULIARITIES AND NEED DIFFERENT PREPARATION.
LOOSE MATERIAL, ABSORBENT SURFACES, INCORRECT DRAINAGE FALLS, PONDING AREAS, AND INVISIBLE GREASE FROM DIRT AND POLLUTION WILL ALL HAVE A NEGATIVE EFFECT ON TOP COATINGS.

2

ABSORBENT SUBSTRATES...

POORLY LAID CONCRETE (INSUFFICIENT CEMENT AND OR VIBRATION)/ BRICKS/CEMENT SCREED/SLABS/TILES ARE SOME OF THE ABSORBENT SURFACES. THESE WILL REQUIRE SEALING WITH APPROPRIATE SEALERS/PRIMERS

3

DRAINAGE FALLS

ALL FLOORS WILL HAVE SOME FORM OF A FALL TO DISPLACE WATER TO A DRAINAGE POINT AND OFTEN YOU WILL ENCOUNTER UNEVEN FLOORS WITH PONDING AREAS, PARTICULARLY ON A FLAT ROOF OR LARGE OUTDOOR AREA. THESE MUST BE SCREEDED TO ALLOW FOR FULL DRAINAGE OF WATER DURING RAINY SEASON.

4

GREASE AND GRIME

JUST BECAUSE YOU CANNOT SEE THE GREASE DOES NOT MEAN IT IS NOT THERE AND IF YOU NEGLECT TO PROFESSIONALLY REMOVE ALL TRACES OF IT THE COATING WILL LIFT OFF THE SURFACE AND IT WILL COST YOU DEARLY. IT IS IN THIS AREA THAT THE DIY ENTHUSIAST DIFFERS GREATLY FROM THE PROFESSIONAL. HOW WELL YOU CLEAN DETERMINES HOW SUCCESSFUL YOU ARE

5

LOOSE MATERIAL

SAND, GRAVEL, GRASS, PEBBLES OR MONKEY NUTS ARE NOT GOOD SOLID SUBSTRATES FOR LAYING PEBBLES OVER.

6

AT YOUR WITS END?

THEN DO NOT PROCEED, CALL DAVE AT KOTE PRODUCTS FOR ASSISTANCE, TAKING A CHANCE INVARIABLY GOES HORRIBLY WRONG!

SUGGESTED PRODUCTS TO FIX THINGS...

WE ARE FORMULATING CHEMISTS AND CAN MAGICALLY FORMULATE A PRODUCT TO SOLVE YOUR PROBLEMS... HOWEVER, WE HAVE OVER 100 PRODUCTS ALREADY AND HERE ARE SOME SUGGESTIONS...

1. **ABSORBENT SUBSTRATE**, IT IS RECOMMENDED THAT YOU HAVE A SEALED SURFACE UPON WHICH TO LAY YOUR PEBBLE MIX. COAT THE SURFACE WITH ONE GENEROUS COAT OF GRIPKOTE SHORTLY BEFORE LAYING THE WET PEBBLE MIX. THE GRIPKOTE WILL PENETRATE THE SURFACE AND IS HOMOGENOUS WITH THE BINDER POLYKOTE OR STICKOTE IN THE PEBBLES SO A POWERFUL COVALENT BOND WILL ENSURE TREMENDOUS ADHESION OF PEBBLES TO SUBSTRATE!

2. **POOR LEVELS AND PONDS** WILL IMPACT THE TIME IT TAKES FOR THE BINDER TO CURE AND WILL DEMAND MUCH MORE PEBBLES THAN ESTIMATED. FIX THESE WITH MORTAKOTE A SELF-LEVELLING SLURRY MIX. SIMPLY ASK FOR BROCHURE OR VISIT THE WEB.

3. **GREASE IS INVISIBLE** AND IS ONE OF THE MAJOR REASONS FOR ADHESION FAILURE. DO A PROPER CLEAN BY USING KLEENKOTE DEGREASER BUT WHILST THIS POWERFUL DEGREASER WILL REMOVE GREASE, IF IT IS NOT **THOROUGHLY** RINSED IT WILL ALSO LEAVE A FILM TO WHICH THE PRODUCT WILL NOT ADHERE, SO RINSE UNTIL NO MORE FOAM IS EVIDENT WHEN HIGH PRESSURE WATER RINSING IS BEING DONE.

4. **PEBBLE MIX RATIOS** AND FRACTIONS MUST BE ADHERED TO! THIS IS NOT DIFFICULT TO UNDERSTAND YET IS SELDOM TREATED AS SERIOUS UNTIL FAILURE IS EXPERIENCED WHICH IMPACTS NEGATIVELY ON ONES WALLET. POLYKOTE IS THE BINDER AND MUST BE MIXED SLOWLY AND THOROUGHLY INTO THE PEBBLES, 7KG OF 1.6MM PEBBLES TO 1KG OF POLYKOTE AT 3MM THICK WILL RESULT IN 1M2. IF 3MM TO 4.5MM MIX OF PEBBLES IS CHOSEN, THEN 12KG OF PEBBLES TO 1.5KG OF POLYKOTE AT 8MM THICKNESS WILL GIVE 1M2.

5. **VERTICAL APPLICATION** OF PEBBLES ON WALLS OR STAIR FRONTS MUST MAKE USE OF STICKOTE IT IS VERY THICK AND SHOULD BE APPLIED GENEROUSLY TO THE WALL SURFACE, THEN MIX PEBBLES AS PER ABOVE RATIOS AND WITH PRESSURE, APPLY FIRMLY TO VERTICAL SURFACE.

6. **JOINS ARE VERY IMPORTANT** WHEN A LARGE AREA IS BEING LAID! THE USE OF ALUMINIUM STRIPS IS ESSENTIAL. IT IS STRONGLY ADVISED THAT ONE SIT WITH THE CLIENT AND DISCUSS WHERE THESE JOINS SHOULD BE SECURED. TALK TO ME BEFORE YOU BEGIN!

7. **KEEP PEOPLE AND PETS** OFF THE NEWLY LAID PEBBLES FOR TWO DAYS! THEY WILL DAMAGE THE FINISH AND IT CANNOT BE REPAIRED!! - THIS INCLUDES FRIENDS, FAMILY, YOUR MUCH LOVED DOG AND OTHER CONTRACTORS!!

PebbleKote

THE PERFECT FINISH TO ANY OUTDOOR AREA

Nothing compares to stepping out onto your entertainment area and seeing the pebble paving dream brought to life.











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

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

www.kote.co.za - 0312616866
Technical Advice: dave@kote.co.za
Admin: kels@kote.co.za

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