



Kote Products (Pty) Ltd

SticKote BROCHURE

Kote[®]

Working for our customers success!

StickKote

A PRACTICAL SOLUTION

StickKote is considered to be an incredibly useful and versatile product.

It's water resistant properties makes it a rather handy binder to mix with various aggregates or used as a pipe able silicone sealant alternative if piped out of a piping bag or a store bought syringe.

Because it turns clear once it has thoroughly cured after 7 days it can be applied to practically any surface.



SticKote

WHAT IS STICKOTE?

SticKote is one of 2 binders available from Kote Products (Pty) Ltd. And whilst its main purpose is to be used in pebble paving that does not mean that THAT is the only function it has.

SticKote is a thixotropic binder that was developed specifically for upright applications but over the years we have found it can be used in a wider variety of applications and with various different aggregates or as a stand alone product for filling in small crevices or voids in wood, screed and even to be applied as a sealer over existing pebble paving for protection as well as a smoother feel under the foot.



SticKote

A BINDER THAT STICKS WITH YOU

Did you know?

- SticKote has been used as a glue for wood, paper, really anything you need to stick together.
- By using a syringe you can pipe out the SticKote in long strings of water resistant binder to fill in cracks and empty spaces between walls, just like any silicone product.
- Let's not forget that you can mix SticKote with any aggregate you want, from pebbles to sand to cookie crumbs, the sky is the limit.



Aggregate

START AT THE BEGINNING

*We do NOT sell any aggregates

SticKote is incredibly versatile, especially when choosing what aggregate to mix with it.

Depending on the finish you want to achieve you can mix sand, pebbles, sawdust, crumbed nut shells, or even glass beads to create interesting and hardwearing surfaces.

If you're a little unsure, here is an example of what we recommend as the best type of pebble aggregate you should be looking to use.

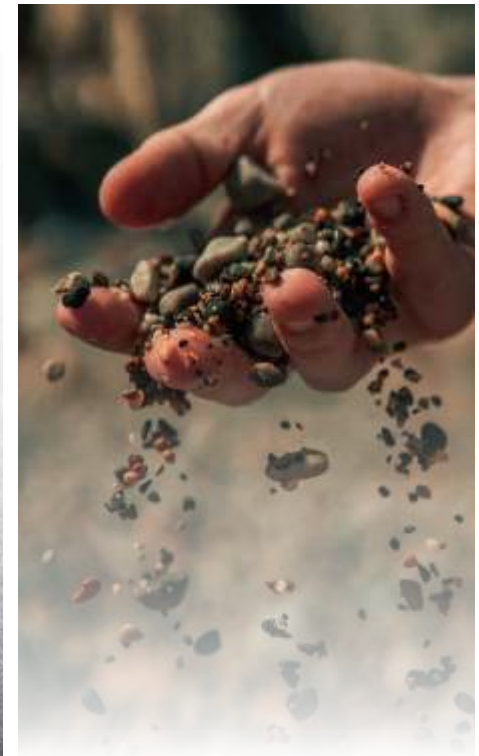
The number one thing to remember is that the bigger the pebble is the less compact and difficult it will be to mix and lay down with the SticKote binder. Therefore choosing the right size or collection of sizes is vitally important for the success of your pebble paving finish.

When asked we usually recommend you use a 1.6mm pebble or a mix of 1.5mm to 4mm, these are good sizes because they are not too big and at the same time not too small.

At this size they can be properly coated with the thick binder and when applied will fill any small holes that remain between the various sized pebbles, creating an incredibly strong bond between them.

The reason we recommend such a wide range of pebble sizes is to ensure that every empty space is filled with another pebble. If the 'roughness' under the foot is of a great concern then you can simply apply a 'thin' coat of the SticKote over the top of the pebbles to create a seal.

This should only be attempted after the full 7days of curing of the pebble paving.



SticKote

EVERY POSSIBLE APPLICATION IS AT YOUR FINGERTIPS



What can you do with SticKote?

The versatility of this product is rather quite impressive because it is commonly used for mixing with pebbles or sand in order to apply it to a vertical surface. However despite it's main function being a binder you can find multiple ways to utilize this incredibly thick liquid.

The really wonderful thing about the SticKote is that it is thick enough to be used for other applications like glueing two pieces of wood together, or filling in small cracks in walls, or being used in a piping bag or syringe to pipe along the corners of showers, scaffolding or plugging holes in the wall from drill holes. Not to mention that you can even tint the product with an acrylic based dye to change SticKote into a thick 'acrylic paint' to create 3D images on canvas or walls.

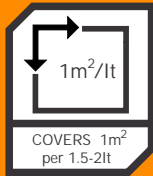
The possibilities are endless if you just take the time to imagine.



Use a syringe to fill in cracks in walls, between tiles and other various empty spaces

StickKote

THE BREAKDOWN OF STICKKOTE AND ITS PROTOCOLS



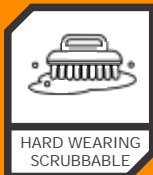
SPREADRATE/COVERAGE

StickKote's ratio is 1lt to 10kgs of 1.6mm pebble @ 3mm thickness for 1 square meter

*This is if a primer coat has been applied first, if not then the ratio is 1lt to 8kgs pebble

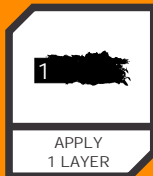
An alternative StickKote ratio 1.5lt to 12kgs of pebbles for 8mm thickness.

*This ratio is based on the pebbles being 1.5mm to 4mm in size



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.

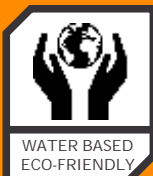


THE TOOLS

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 a 3mm or an 8x8mm square rod for depth guidance.



PROPERTIES OF STICKKOTE

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.



SticKote

SURFACE PREPARATION

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

Cleaning Process: 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 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 before moving on to the next phase.

Primer Process: Using GripKote

Step 1: Once your surface is fully clean and dry take a paintbrush and apply a slightly generous coat of GripKote to your surface.

Step 2: Allow to dry for a couple hours before moving onto the next phase

StickKote (vertical pebbles 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 2mm 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 and your primer coat has been applied, take a small amount of StickKote and apply it to the wall with the 2mm 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 40 years 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 awful!

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, 10KG OF 1.6MM PEBBLES TO 1KG OF POLYKOTE AT 3MM THICK WILL RESULT IN 1M2. IF 1MM 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 THIXOTROPIC 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!!

The background of the slide is a close-up of marbled paper with swirling patterns in shades of grey, brown, and cream. The texture is organic and fluid.

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

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

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