



• FIREKOTE •
FIRE PROTECTION

FIREKOTE BROCHURE



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FireKote

A WOOD AND TEXTILE PROTECTOR

FireKote has two formulas, one for textiles and one for wood. Both are incredibly impressive in their ability to ensure that both the wood and the fabrics do not support flame. What this means is that the fire cannot take root in the item and fuel the fire.

This is an incredibly useful product for those who want to help protect either their family, their employees and or their customers. Allowing them a chance to get to safety when a fire does unfortunately break out.



FireKote: Textile

CLOSE UP OF THE COATING



WHAT FIREKOTE DOES

FireKote is a water-like liquid that holds the best formula available to hinder flames from spreading.

The liquid seeps into the fabric, treating it with its unique formula in order to transform the potential fire fuel into an inert item.

However you need to ensure you 'soak' the surface effectively.

A light 'mist' over the surface is nowhere near enough to act as an effective fire retardant.

Best practice is to SOAK the fabric fully and, if necessary, do so more than once to ensure full penetration of liquid into the fabric.



FireKote is soaked into Fabric

FireKote: Wood

CLOSE UP OF THE COATING



WHAT FIREKOTE DOES

FireKote is a thin liquid, almost like water in appearance but holds the best formula available to hinder flames from spreading.

The liquid seeps into the wood, filling the pores and treating the grain with its unique formula in order to transform the potential fire fuel into an inert item. However you need to ensure you 'soak' the surface effectively. A light 'mist' over the surface is nowhere near enough to act as an effective fire retardant.

The same is experienced when applying it to fabric. It is in your best interest to ensure you thoroughly SOAK the fabric to ensure you have thoroughly protected your fabric.



*All pictures are screenshots from the video on the FireKote page

FireKote: Wood

Testing the fire retardant independently



TREATED VS UNTREATED



3



UNTREATED

4



TREATED

UNTREATED

1

The customer made their video evidence/test available for us

You can find this video on the FireKote page



TREATED

UNTREATED

2

An independent test was conducted by a customer who wanted to see if our FIREKOTE: WOOD would withstand a flame on his reed baskets. These baskets were planned to be made as lampshades for a restaurant. As you will see, the results show that the untreated basket was burned (PICTURE 1) and showed signs of becoming misshapen and it also retained the flame (PICTURE 2 & 4) Whilst the treated basket only became blackened (PICTURE 2) and resisted the flames allowing it to keep it's shape and remain unburned by the open flame (PICTURE 3)

FireKote: Wood and Textile

THE BREAKDOWN OF FIREKOTE AND ITS PROTOCOLS



SPREADRATE/COVERAGE

FireKote covers about 3 to 6 square meters per liter per coat

*The spread rate depends on how adsorbent the fabric or wood is



PROTOCOL

The FireKote product **MUST** be soaked into either the fabric or wood.

A 'mist' of FireKote is not efficient enough to properly fire retard the fabric or wood. If in doubt, do multiple coats/soaking.



THE TOOLS

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



CURING AND DRYING TIMES

FireKote requires warmer sunny weather in order to dry and cure.

Drying time is a couple hours depending on the warm weather.



WoodKote

OVER COATING FOR FIREKOTE

WoodKote was designed to be a perfect clear, UV stable, eco friendly coating that enhances the look of the wood as well as ensures it is properly protected from the harmful weather of South Africa.

WoodKote is an excellent sealer for applying to your wood after you have soaked it with the fire retardant. This will help seal the FireKote in and protect your wood.



WoodKote

CLOSE UP OF THE COATING



WHAT WOODKOTE DOES

To be as simple as we can, WoodKote is a coating you paint onto your surface after you have applied the FireKote

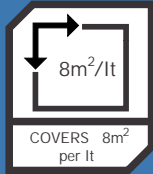
WoodKote has all the benefits of sealing and protecting the wood from harmful weather on exterior furniture or decks as well as inside from humidity and harsh cleaning chemicals.

Using WoodKote puts an abrasion resistant UV stable layer over your surface allowing it to flex and stretch with the movement of the material it is painted onto whilst keeping the highly protective properties it boasts.



WoodKote

THE BREAKDOWN OF WOODKOTE AND ITS PROTOCOLS



SPREADRATE/COVERAGE

WoodKote covers about 8 square meters per liter per coat
*You need to apply a minimum of 3 coats, or as desired.



SELF CLEANING

This clear product is scrubbable and 100% self cleaning making it easy to maintain both indoor and outdoors



PROTOCOL

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



THE TOOLS

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



PROPERTIES OF WOODKOTE

WoodKote is an eco-friendly, UV Stable, VOC free, hydrophobic, flexible, resistance to heat, has incredible adhesion and scrubbable properties.



CURING AND DRYING TIMES

WoodKote requires warmer sunny weather in order to dry and cure. Drying time between coats is 30 mins to 1 hr. As with all coatings full cure in 7 days.



FireKote

SURFACE PREPARATION AND INSTRUCTIONS

The preparation of your substrate or the fabric is vital to the success of FireKote 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 if any repairs are required be dealt with before application.
2. For wood, take a paintbrush or airless spraygun and coat the wood with a good 'soaking' layer of the FireKote. You want to make sure that all crevices and holes are saturated to ensure no surface is left untouched.
3. For fabric, you can use any method of application to ensure the fabric is coated. This includes methods like spraying with an airless spray gun or spray bottle, paintbrush or a tub filled with the FireKote product to dunk the fabric into. Whatever method you choose you must ensure the fabric is fully soaked with the product.
4. Once the FireKote has been applied you can leave it to dry for a couple of hours in good warm weather.

For wood, you can even run a warm fan heater.
For fabric, you can hang it out on a washing line.

Whatever the method,

It is important to SOAK your wood or fabric!



WoodKote

SURFACE PREPARATION AND INSTRUCTIONS

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

*Make sure you follow the Surface Preparations instructions before applying WoodKote

1. Make sure you have waited the few hours for the FireKote to soak into the wood surface and 'dry'.
2. Make sure that the surface doesn't have any dust or particles that could get stuck in the coating and leave an 'embossed' finish because of it.
3. You can use a paintbrush or an airless spray gun to apply the product to the surface. The paintbrush is great for smaller areas whilst the airless spray gun is helpful for the larger areas that need to be coated.
4. Be sure to do this work in good weather and at least three days prior to any expected rain. Although WoodKote dries in two hours, it will take 7 days to cure fully. So the longer you can have no rain to disrupt the curing process the better.
5. 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.
6. WoodKote is not a 'paint' it is a protective coating and needs to be applied with this in mind. Make sure the surface isn't too hot as this will cause the adhesion to be affected.



What could go wrong?

ITS IMPORTANT TO BE INFORMED



Both FireKote and WoodKote can be abused in the following ways which could prove to be costly to you.

1. Application: If the surface is too hot then WoodKote 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! This is probably the most important, do not expect to get the same amount of protection with 2 coats of product as you will with 4 coats. The more you apply the more protection you will get.
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.



FireKote and other products are manufactured by FireKote (Pty) Ltd

Find more information about FireKote and other products on our website
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