

FIREBLOCK® FOREST



USER MANUAL

PRODUCT OVERVIEW

Product Name:	Fireblock FOREST
Form:	Powder (non-toxic, biodegradable)
Packaging:	10kg / 22 lbs bags
Colour:	Green
Use Case:	Fire suppression for Class A fires (solid, organic materials like wood and paper)

Note: Not suitable for electrical or chemical fires

DESCRIPTION

Fireblock FOREST is a specialized firefighting product that when mixed with water, forms a durable cooling gel. Originally developed for MONDI Timbers in South Africa, it was designed to bond to the vegetation and penetrate the undergrowth, preventing flames from reigniting. Fireblock FOREST has proven successful in critical situations, including the Richard Bay Woodchip Fire (Nov 2023) and the Springs Paper Mill Fire (Sept 2024)

Now an essential tool for Fidelity Secure Fire, a private fire department, Fireblock FOREST offers efficient fire suppression and enhances firefighter safety by reducing the time and resources required to control severe fires. Its cooling and heat-resistant properties allows it to rapidly manage intense fires by forming a protective, moisture-retentive gel. This gel bonds to surfaces such as wood, metal and vegetation, shielding them from extreme temperatures and minimizing fire spread.



APPLICATIONS

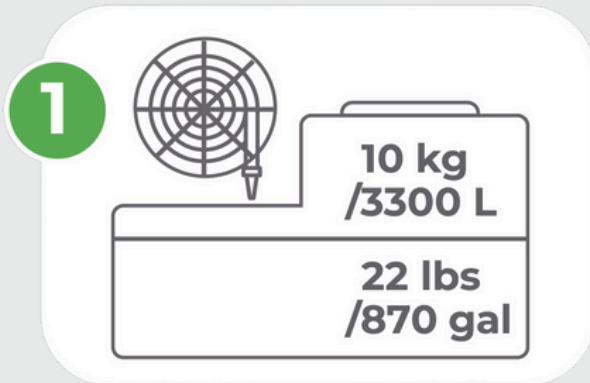
FIREBLOCK FOREST IS DESIGNED TO:

- ① Suppress large-scale, high-intensity fires.
- ② Bond to surfaces such as wood, metal, and vegetation, forming a protective heat barrier
- ③ Penetrates undergrowth, preventing the fire from smouldering.
- ④ Cool down flames quickly, helping firefighters control the blaze faster
- ⑤ Serves as a preventive measure by coating unburned areas, forming a protective barrier against approaching fires

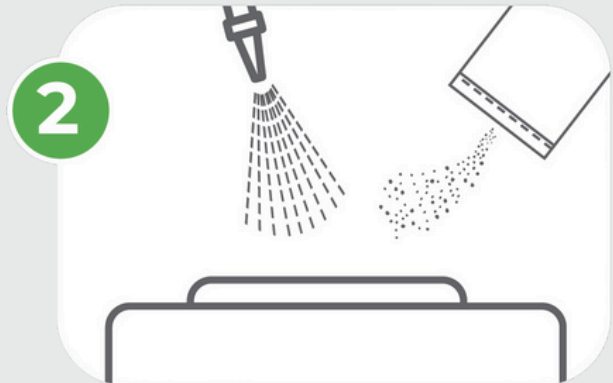


MIXING INSTRUCTIONS

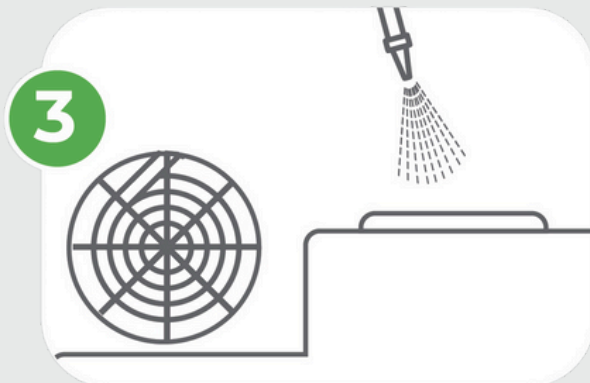
DIRECTIONS FOR USE



How to add 10 kg(22 lbs) of Fireblock to 3300L (870 gal) of water



Spray nozzle back into tank while slowly adding the powder



Circulate for 4 minutes

4

Ready to use in 4 minutes

Best results when premixed

Premix can be stored in a tank for up to 3 years

Ratio might change depending on water quality

Visit www.fireblock.co.za for instruction video

APPLICATION INSTRUCTIONS

01 ▶

DIRECT FIREFIGHTING:

- Apply Fireblock FOREST gel directly onto active fires to suppress flames quickly. The gel will bond to surfaces, cool down the fire, and form a heat-resistant barrier.

02 ▶

PREVENTATIVE USE:

- Spray non-burnt areas (e.g. grass, bushes) with the gel to form a protective layer, preventing the fire from spreading into these zones.



STORAGE AND MAINTENANCE

01 ▶

STORAGE AFTER MIXING:

- Fireblock FOREST can be stored for up to three year after mixing.
- To maintain product effectiveness, circulate the mixture at least once per month.

02 ▶

UNMIXED POWDER STORAGE:

- Keep the powder in its original packaging and store it in a cool, dry place to prevent moisture exposure.
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CLEANING AND REMOVAL



Fireblock FOREST can be easily removed from surfaces with water once the fire risk has subsided, making it a non-permanent fire protection solution.



Maintain equipment after use. Flush pump and hoses with fresh water.

SAFETY AND PRECAUTIONS

● Fire Suitability: Only use Fireblock FOREST on Class A fires. Do not use it on electrical or chemical fires.

● Avoid Contact with Eyes and Skin: Although non-toxic, avoid direct contact with skin and eyes. In case of contact, rinse thoroughly with water.

● Disposal: Dispose of any unused product according to local waste disposal regulations.



TROUBLESHOOTING

ISSUE	POSSIBLE CAUSE	SOLUTION
Mixture causes lumps	Powder was dumped all at once Powder was not sprinkled gradually whilst stirring continuously	Remove large pieces before use. Use remaining mixture (results may vary)
Mixture too thin	Incorrect ratio of powder to water	Do not attempt to add more powder; mix a fresh batch
Mixture too thick	Water quality – this varies and can affect the mixture ratio.	Ensure correct powder-to-water ratio and thorough mixing, add additional water slowly

**FOR MORE INFORMATION OR ASSISTANCE,
PLEASE CONTACT OUR SUPPORT TEAM.**

MATERIAL SAFETY DATA SHEET

Contact FIREBLOCK ® for SDS Safety Data information sheet
or [click here](#).

FURTHER INFORMATION

For copies of data sheets or certification please contact: FIREBLOCK ®

Website: www.fireblock.co.za

Address: 352 Larsen Road, Muldersdrift, South Africa 1746

Tel: (011) 957 5010

Email: admin@fireblock.co.za

