



DRI-ONE Flame Retardant

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www.DRI-ONE.com

Thatch Compatibility Notice

DRI-ONE® is a highly versatile Class A flame retardant designed for application on a wide variety of **absorbent surfaces**, including many natural thatch species. However, due to the diverse cellular structures and natural oils present in different thatch materials, **not all species of thatch are fully compatible with DRI-ONE®**.

- Certain species may absorb the product effectively but still fail to achieve complete flame resistance due to fatty acids, waxes, and cuticular layers in leaves that reduce water loss therefore we recommend extended frown drying time before applying DRI-ONE Flame Retardant.
- In some cases, the treatment may reduce but not entirely eliminate flame spread due to the natural makeup of the thatch.

For this reason, **treatment and fire testing are strongly recommended before beginning any major project.**

We advise all customers to:

- Perform a **small-scale fire test** on a treated sample piece once fully dried.
- Confirm the flame **self-extinguishes within 2 seconds** after the ignition source is removed.
- If results are inconsistent, retreatment or alternative methods may be necessary.

Professional guidance and testing are essential to ensure your project achieves the desired level of fire protection.

CERTIFICATION

California Administrative Code, Title 19
NFPA 701

Steiner Tunnel Test A.S.T.M. E 84
Similar NFPA No. 255, ANSI 2.5, UBC No. 42-1, UL No. 723



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DRI-ONE® Exterior Protection Application Instructions for Thatch

Preparation

This comprehensive guideline provides clear instructions for applying DRI-ONE® on thatch, considering various environmental factors and safety precautions. It's designed to help users achieve the best possible application and protection.

Note: The effectiveness of DRI-ONE® is highly dependent on proper application and adherence to these guidelines. We recommend scheduling the application of DRI-ONE® during suitable weather conditions to ensure the highest efficacy and safety standards.

Surface Preparation:

- Ensure that the thatch is clean, dry, and free from oils and debris.
- DRI-ONE® is most effective on absorbent surfaces. It will not adhere properly to surfaces that have been previously sealed, painted, or treated with water repellents.

Safety Precautions:

- Keep DRI-ONE® out of reach of children.
- Use rubber gloves and eye shields to avoid irritation.
- Store DRI-ONE® in its original container tightly closed in a Climate-Controlled Storage area.
- Avoid skin contact and inhalation of spray mist.
- In case of eye contact, flush eyes with clear water.

Application Tools:

- Use a pump sprayer or an airless spray gun for even application. For larger thatched areas, an airless spray gun is recommended for efficiency.

Application Process:

- **First Coat:** Apply DRI-ONE® evenly, coating the entire surface of the thatch top and bottom. Use a spray method for best coverage.
- **Drying Time:** Allow the first coat to dry thoroughly. Drying time varies depending on temperature and humidity.
- **Second Coat:** Apply a second coat after the first has completely dried for enhanced protection.

Coverage:

- Apply liberally a minimum of 200 square feet per gallon on the thatch.

For further inquiries or assistance, please contact the Desert Research Institute support team.

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No warranty either expressed or implied is given, as the manufacturer has no control over the manner in which the product is used.



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DRI-ONE® Exterior Protection Application Instructions for Thatch Environmental Considerations & Fire Test

Temperature Considerations:

- Apply DRI-ONE® in temperatures between 50°F (10°C) and 85°F (29°C) recommended.
- Below 50°F, the drying time is significantly increased, and effectiveness may be reduced.
- Do Not Allow DRI-ONE to Freeze

Weather Conditions:

- Choose a dry weather window for application. Avoid rainy or overly humid conditions.
- In monsoon regions or areas with heavy rainfall, ensure a clear weather window to ensure optimal drying time 4 to 5 days recommended .

Post-Application

Dry Time:

- DRI-ONE® is slightly heavier than water; gauge your drying time accordingly.
- Consider extended drying times in temperatures close to or below 50°F.
- During drying process, Do Not Allow DRI-ONE to Freeze.

Fire Test:

- Once the treated thatch is thoroughly dried, conduct a fire test.
- Use a small flame source (like a lighter) on a test piece.
- The flame should self-extinguish within 2 seconds after removing the fire source.
- Perform this test every 1-2 years to ensure ongoing protection.

Reapplication after Heavy Rain:

- After above average rain fall or heavy rain, a fire test should be performed.
- Reapplication of DRI-ONE® is recommended to maintain optimal fire retardant properties.

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