

Fireprotection

Chemicals (Pty) Ltd

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Thatch Marshal 8000

Product specification

Thatch Marshal 8000 was developed by a team of chemical engineers with 30 years experience in the fire retardant industry. Thatch Marshal 8000 is water-based and environmentally friendly.

The working of Thatch Marshal 8000 is two fold:

1. the intumescent ingredient as well as the polymer emulsion binder acts as a restrictor of oxygen in case of a fire
2. chemical saturation of the cellulose in the thatch causes petrification – making it very difficult to ignite

Thatch Marshal 8000:

- extends the life of your thatch
- increases water resistance
- bind thatch together, making it difficult for birds to dismantle
- inhibits the growth of fungus, reducing sinus and allergies
- enhances the appearance of the thatch

Tests:

A *spread of flame test* was conducted on a sample of Thatch Marshal 8000 fire retardant chemical to the requirements of section 8 of standard ASTM E108- “Standard Test Methods for Fire Tests on thatch Roof Coverings” as required by section 8.2.3. of standard SANS 10407:2006 on 18 August 2010 by the Fire Protection Engineering laboratory. Thatch Marshal 8000 was awarded an A-class rating.

A *flammability test on thatch bundles* according to IEC 60695-11-10:2003 was done on 23 December 2008 by the Fire Protection Engineering laboratory. The thatch sample treated with Thatch Marshal 8000 was found to be compliant to the standard.

A third party lab has done an evaluation of weathering resistance on thatch panels treated with Thatch Marshal 8000. It was concluded that after 5 years the fire retardant treatment was still in tact.

Application:

Fire Protection Chemicals supplies extensive training to all its applicators to ensure that the fire retardant treatment measures up to the required standards as determined by the ASTM

E108 test. Applicators ensure the correct application pressure, chemical volume and product penetration. Thatch Marshal 8000 is applied with a high pressure airless sprayer to the interior and exterior of the thatch roof.

After curing, normally between 3 – 6 weeks, a white, powdery by-product will form. It will wash out with the first rain. This is normal and an indication that the product has fully cured.

A certificate of completion is issued after the fire retardant treatment. This certificate is valid for 5 years.

Testimonials:

- We had a lighting strike at our lapa recently and the whole chimney was damaged. Very hot bricks was falling on the treated grass roof and damaged a very small piece. But there was no fire: just a little smoke and black burnt grass (about the size of a rugby ball) I am thankful that I had the treatment done! (Siegfried Heydenrych)
- Proof that Thatch Marshal 8000 is by far the best chemical on the market this house was done in October last year. On Saturday the kids made fire with petrol and the area started burning see the photos of the trophies burned but not the grass even the floor coating got damaged. According to the owner of the house the fire department didn't believe that the thatch roof did not burn down. (Ronald Peebles)

Company information:

- BBBEE status: Level 4
- Year established: 2008