

Guardian™ Timber Fire Retardant

Fire protection for all timber around the home

USES

Guardian™ Timber Fire Retardant (GTFR) stalls the fire ignition process for timber applications such as window joinery, cladding, posts, poles, retaining walls, fences, underfloor framing, engineering and rural structures.

What this does mean is that the timber component, when treated with the recommended dose of **Guardian™ TFR**, is unlikely to ignite. When the heat source is removed, no flames or afterglow will remain.

Timber treated with the correct dosage of Guardian Timber Fire Retardant, as specified on the label and in the product data sheet, satisfies the requirements of fire resisting timber as defined in Australian Standard AS3959-2009. Such timbers are suited for applications specified in AS3959 for Bushfire Attack Level zones up to and including BAL29.

Background

Excellent fire retardant properties, tested by CSIRO and BRANZ to AS-NZS 3837 – 1998 and European Standard ISO 5660.

Appearance

Transparent Clear liquid.
Odour: Low Odour
Flash Point: N/A
Density 1.1 – 1.14 at 20°C
Viscosity: > 40 cp at 20°C
PH : 5-7

RECOMMENDATIONS

General

Guardian™ Timber Fire Retardant is intended for exterior above-ground application. For use in areas such as under-floor framing and bearers no further coating is required. In exposed conditions at least two coats of **GTFR** should be applied followed by two coats of **TWA Water Repellant** (or similar) for best protection.

The treatment with **GTFR** should be done every 3-5 years for exposed timber (unless heavy weathering indicates more frequent application is required) and every 5-10 years for unexposed timber.

DIRECTIONS FOR USE

Product Preparation

The product is ready for use; a gentle stir is all that is required. DO NOT DILUTE.

Surface preparation

Generally very little surface preparation of the actual timber is required. Timber should be dry, free from mould, dirt, grease and surface coatings that may reduce absorption.

Application

GTFR may be applied by brush, rollers or a spray gun. The timber can also be dip treated by immersion for 2-3 minutes in a DIY situation. Clean up equipment with water immediately after use.

The best method is to apply 2 liberal wet-on-wet coats, (flood brushing), of **GTFR** undiluted from the container. The first coat will take up 85% of the product; ensure that it does not dry out between coats. The last coat is approximately 15% of the application. Coverage depends on the absorbency of the timber surface to be treated (approx. 250ml to 1 ltr per m²).



PAINTING

GTFR can be overpainted after 48 hours, when the surface is dry. We recommend the use of TWA Woodcare products; such as **TWA Clear Water Repellant**.

GLUING

Where possible glue before treatment. **GTFR** does not normally affect cured glues, mastics or silicone.

In all cases, the specific advice of the manufacturer should be sought and trials undertaken if deemed necessary.

FASTENERS

We recommend the use of galvanised or non-corrosive fasteners.

Clean Up Procedures

Brushes and other application equipment wash up in water immediately after use.

NOTE

Guardian™ Timber Fire Retardant is safe to use and will perform its intended function without hazard providing the correct precautions are taken. A Material Safety Data Sheet is available on request if further information is required.

PRECAUTIONS

Health and Safety

Guardian Timber Fire Retardant should be handled in accordance with the M.S.D.S. (Material Safety data Sheet). Care should be taken to avoid contact with the skin, breathing of any vapour contact with food stuffs and oral ingestion.

Personal Hygiene:

Handling the Product

1. Wear gloves, overalls & safety glasses while using the product.
2. Wash hands and face with soap and warm water after use
If eye contact occurs flood eyes with copious water for 15 minutes and consult a doctor.

TRANSPORT

UN - Number is not available.

STORAGE

Store the product in a dry secure place, out of reach of children. Store in the original plastic container with the lid firmly closed. Shelf life is 12 months.

DISPOSAL

Dispose of waste or contaminated material in labelled containers to an approved landfill in accordance with local regulations.

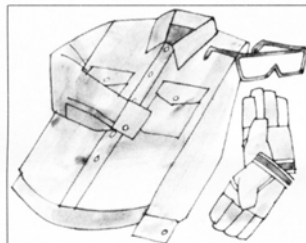
PACKAGING

- 4 litre Plastic Pail
- 15 litre Plastic Pail

TECHNICAL SERVICE

TWA provides a technical advisory service on all aspects of timber preservation.

www.thomsonwhite.com.au



Recommended safety equipment is gloves and long sleeve shirt to minimise skin contact.

Glasses are recommended for eye protection at all times.

TPAA
The Timber Preservers Association of Australia

