QRT-100 CLEAR TIMBER FIRE RETARDANT

MEETS WITH ASNZ – 3837 GROUP 2 as called for in C.1.10a.

This product is not a paint
Suitable for interior / TOTALLY non weather exposed applications ONLY!

1. **OVER VIEW OF PRODUCT**

QRT-100 Timber Fire Retardant Treatment is a fire retardant treatment that is designed to passively impregnate into raw, totally unsealed soft and medium density timbers. It is not suitable for the treatment of timbers / laminates that have been sealed or coated or high density timbers.
To gain long term durability the treatment must be top coated with a quality water based top clear coat. To maintain long term life, this top coat must be maintained / reapplied as per the top coat manufactures guidelines. This product **HAS NOT** been tested to the Australian Bushfire standard – AS 3959 – 2009. QRT – 100 is ideal for use in "non weather" exposed locations. Use in weather exposed locations will shorten the fire retardant life cycle of this product.

2. SAFETY RECOMMENDATIONS

1.1 Skin/Eye Irritation

Freshly opened liquid may cause skin irritation. Avoid contact with the skin and eyes by wearing suitable gloves, clothing and eye protection. In the event of contact, wash skin immediately with clean water to help minimise possible irritation. If any material gets into the eyes, wash immediately and repeatedly for *at least* 15 minutes with an eye wash liquid or simply clean running tap water. If irritation persists, seek medical advice.

1.2 Respiratory Irritation

Use in a well ventilated area.

3. LIMITATIONS

PLEASE TEST FIRST. TRIALS ARE ESSENTIAL.

Due to potential application difficulties which are likely to increase and compound outside the temperature range of **14C and 29C**, it is recommended that application is carried out only within this range. Therefore for best results do *not* apply 'the Paint' when the temperature of the ambient air or that of the surface to be coated is below **14C or above 29C.** In high temperature conditions apply early or late in the day to avoid expected high temperatures of exposure to direct sunlight. In cold weather apply in the middle of the day when temperatures are expected to be relatively higher.

IMPORTANT APPLICATION NOTE:

Due to the wide variance of timber types and timber treatments ALWAYS undertake a trial application of the QRT-100 system on an inconspicuous piece of timber prior to undertaking total job application.

Application Methodology QRT-100 Timber
Fire Retardant Treatment

4. COVERAGE RATE & STORAGE

3.1 Recommended Coverage Rate for Most Coating Jobs The coverage rate will vary some what in accordance with the type of timber being fire retarded, but as an average a litre covers 10 (ten) square metres of timber – PER COAT.
Two (2)coats of the QRT-100 are required.

3.2 Storage/Stability Twelve (12) months in a full (no air space), airtight container.

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SURFACE PREPARATION THE PROPER *PREPARATION* OF THE SURFACE TO BE COATED IS *VERY* IMPORTANT. ALL SURFACES are to be made SOUND, FIRM, SURFACE-STRONG, LAITANCEFREE, DIRT-FREE, ACID-FREE, CHEWING GUM FREE, SMOOTH prior to applying the product. **Do NOT** apply to sealed timber surfaces. ALWAYS INSURE THAT TIMBER IS TOTALLY DRY (15% MOISTURE CONTECT MAXIMUM) PRIOR TO APPLICATION

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MIXING INSTRUCTIONS AND POT LIFE As the product is pre-mixed, there are no applicable instructions, other than to shake the product thoroughly prior to application.

Any unused portion should be returned to the container sealed and stored as above.

6 APPLICATION PROCEDURE – *IMPORTANT INFORMATION*

6.1 Brush, Spray and Roller Applications *In most instances, 2 coats of product will be sufficient. The second coat is applied as soon as possible after the first coat has set or 'touch' dried. Two coats will result in an averaged net coverage rate of 5 SQR Mtrs per Ltr.* ***Always ensure that the timber is dry with no more than a 15% moisture content. ALWAYS, with a damp WATER cloth, wipe off excess fire retardant residue that has not soaked into the timber before applying Sealers or Top Coats. Failure to ensure these two application elements are done may result in top coat milkiness or failure to adhere.***

6.2 Wash-up Clean application equipment and any unwanted splashes or spillage from surrounding areas with water *immediately*. Water solubility of the liquid reduces rapidly once the product begins to set and then harden. Once hardened the product is *extremely difficult* to remove.

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Allow ambient curing – optimum atmosphere 40 to 60% humidity.

Subject to weather conditions / humidity and the nature of raw timber being treated, an average of 4 hours should be allowed for between coats. Allow a minimum of 12 hours before top coating. Always physically check dryness before proceeding with the next coat. In the case of harder density timbers it is essential that a damp cloth is wiped over all treated surfaces to remove any QRT-100 fire retardant that has not impregnated into the timber prior to applying the top seal. Always ensure surface is TOTALLY DRY.

DISCLAIMER TEST FIRST *BEFORE* ACTUAL USE. TRIALS ARE ESSENTIAL ON ALL TIMBERS!

These suggestions, recommendations herewith and other relevant product data for 'the Fire Retardant Treatment' are based on information we believe to be reliable. They are offered in good faith, but as conditions and methods of use of our products are beyond our control, are without guarantee. We recommend that the prospective user, specifier, owner or purchaser determine the complete suitability of this and all our products and suggestions/recommendations for their use and purpose before adopting them on a commercial scale.

PLEASE READ THESE IMPORTANT NOTICES:

All information is given in and the ability (the manufacturer) product(s) are supplied with, good faith but without warranty for the final composite product or material in which it/they is/are used or an applied ability coating as their use is beyond the manufacturer's control. The manufacturer is not responsible for any loss or damage arising from failure to follow their recommendations for use. It is the user's/purchasers' responsibility to ensure that complete suitability of any of these products, for any use, be completely confirmed by thorough prior testing and evaluation. The information submitted in this and other specific product publications is based on current knowledge and experience. In view of the many factors which may affect processing. Application and the results obtained this data and others do not relieve processors and users from the responsibility of carrying out their own tests and experiments, neither do they imply any legally binding assurance of certain properties or suitability for a specific purpose. It is also the responsibility of those to whom we supply our products, to ensure that any proprietary rights and existing laws and legislation are observed.