

6213

RESISTOL®

WOOD PRESERVATIVE

Helping you make the most of timber

PRODUCT DESCRIPTION

RESISTOL 6213 is a metal-free formulation for treatment of constructional and framework timber. The product is supplied as a micro-emulsion concentrate, which is easily diluted with water to form an exceptionally stable treatment solution. Timber is treated by dip application.

RESISTOL 6213 is a highly effective combination of new generation biocides which provide protection from fungal decay and attack by insects, including termites.

RESISTOL 6213 is certified under the French CTB P+ scheme (FCBA).

PERFORMANCE

RESISTOL 6213 has been tested in accordance with FCBA specifications for the preventative treatment of wood in Use Classes 1, 2 and 3.1 (softwoods). When used in Use Class 3.1 situations, the timber should be protected with an appropriate and well maintained coating. Performance has been proven through extensive biological testing, which conforms to French and European standards.

Accelerated ageing tests, EN 84 (cold water leaching) and EN 73 (evaporative ageing), have been taken into account in the fungal and insect tests and have demonstrated the excellent fixation and durability of RESISTOL 6213.

Performance has been proven in the following tests:

EN 46: Preventative insecticidal efficacy tests against "the House Longhorn beetle" (*Hylotrupes bajulus*), valid against other insects with wood-destroying larvae.

EN 118: Preventative termiticidal tests.

EN 113: Preventative fungicidal efficacy against brown rot fungi.

RESISTOL 6213 can react with some species and change the colour of the timber.

Please contact Arch Timber Protection for further information on this subject.

MAJOR PROPERTIES

COMPOSITION

Fungicides: - Tebuconazole, Propiconazole, IPBC.

Insecticides: - Cypermethrin.

PACKAGING

RESISTOL 6213 is supplied in 1,000 litre Intermediate Bulk Containers (IBCs) and 25 litre polykegs.

APPEARANCE

RESISTOL 6213 is a straw-coloured liquid concentrate.

A coloured marker is available to help identify treated timber. Alternatively, a reagent can be used to identify the timber treatment.

DILUTION

RESISTOL 6213 is supplied as a liquid concentrate. It dilutes easily with water; continuous agitation or heating is not required (See Directions for Use).

STABILITY AND STORAGE

The concentrate is stable at all temperatures that will be encountered in practice (0°C to +30°C). RESISTOL 6213 containers must be stored under cover in a secure place and not subjected to extremes of temperature. It is recommended that RESISTOL 6213 concentrate be stored at a temperature above +5°C. If the concentrate or dilute solutions are allowed to freeze, thawing must occur prior to use. Also, in warmer environments, storage out of direct sunlight is recommended.

COMPATIBILITY WITH OTHER PRODUCTS

RESISTOL 6213 must not be mixed with other products unless their compatibility has been tested and authorised by Arch Timber Protection.

TREATED TIMBER

RESISTOL 6213 treated timber can be coated with all conventional finishes and glued following a drying period of 48 hours. Further advice regarding finishes should be sought from Arch Timber Protection, or from our local representative.

PRODUCT CHARACTERISTICS

| | Concentrate | Solution |
|------------------|------------------------|---------------------|
| pH : | 7 | 7 |
| Density at 20 °C | 1.04 g/cm ³ | 1 g/cm ³ |
| Flammability | Non flammable | Non flammable |
| Freezing Point | -5 °C | 0 °C |

DIRECTIONS FOR USE

RESISTOL 6213 is an emulsifiable concentrate that dilutes in water to form a stable micro-emulsion. The diluted product can be applied by dipping, using customary equipment without modifications needing to be made.

MIXING AND CONCENTRATION

RESISTOL 6213 concentrate must be added to water. A solution of RESISTOL 6213 is obtained by diluting one part RESISTOL 6213 concentrate with nine parts water.

CHECKING THE CONCENTRATION OF RESISTOL 6213

Preparation of the RESISTOL 6213 RTU (ready to use) solution: 10 % v/v RESISTOL 6213 in water.

Add 9 parts water to 1 part RESISTOL 6213 concentrate under agitation.

Examples are given in the following table

| Total volume of RTU RESISTOL 6213 (Litres) | Volume of concentrate RESISTOL 6213 (Litres) | Required volume of water (Litres) |
|--|--|-----------------------------------|
| 10,000 | 1,000 | 9,000 |
| 20,000 | 2,000 | 18,000 |
| 30,000 | 3,000 | 27,000 |
| 50,000 | 5,000 | 45,000 |



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TECHNICAL DATA SHEET

Issued August 2010

TREATMENT

Timber must be treated by dipping for approximately 3 minutes.

An absorption of 15 to 20 l/m³ is to be expected depending on the species and moisture content of the timber.

Following treatment, the treated timber should be stored on a designated drip dry area until drip free. Any timber machined after treatment should be re-treated.

Treatment should be carried out at a temperature of greater than 5°C and treatment of frozen timber should be avoided.

EQUIPMENT AND HYGIENE

Dip tanks should be under cover and situated on an impervious bunded area that is capable of containing the total volume of fluid held in the tanks.

Regular cleaning of dip tanks will help prevent a build up of sawdust and debris. If allowed to build up, sawdust and debris will be detrimental to the performance of the treatment solution and will contaminate the timber.

Mild steel and concrete tanks should be coated with an approved coating prior to use.

Further information is available from Arch Timber Protection.

WASTE DISPOSAL

Recyclable containers should be rinsed out with water and returned for re-use or disposed of at approved centres. Rinse water should be used for further concentrate dilution.

Treated wood waste is non-hazardous and can be disposed in permitted landfill sites or incinerated at permitted incinerators.

Concentrate product waste is hazardous waste. Dilute solution waste is non-hazardous. Waste should be removed, and disposed of, by approved waste contractors.

QUALITY CONTROL

The RESISTOL 6213 solution strength should be measured regularly using a refractometer, which is a simple and accurate method.

Arch Timber Protection personnel, or our local representative, will be able to advise on quality control procedures and other technical issues.

Adjustment of RESISTOL 6213 RTU solution strength

Solution strength adjustments can be readily made by addition of either concentrate or water according to the table below:

| Refractometer reading (°Brix) | Concentration of the RESISTOL 6213 solution (% V/V) | Volume of RESISTOL 6213 concentrate to be added per 1,000 litres of solution (Litres) | Volume of water to be added per 1,000 litres of solution (Litres) |
|-------------------------------|---|---|---|
| 1.8 | 7 | 34.0 | 0 |
| 2.0 | 8 | 22.5 | 0 |
| 2.2 | 9 | 11.0 | 0 |
| 2.4 | 10 | 0 | 0 |
| 2.6 | 11 | 0 | 100 |
| 2.8 | 12 | 0 | 200 |

HEALTH AND SAFETY ASPECTS**SAFETY**

Please ensure that you have read and understood the associated Safety Data Sheet supplied by Arch Timber Protection prior to using this product.

HANDLING RESISTOL 6213

Concentrate: Wear gauntlets, protective clothing and eye protection.

Ready to use: As for the concentrate.

Freshly treated timber: Wear impervious gauntlets, impervious footwear and an impervious apron.

Dry treated timber: Wear gloves as a precaution, as with untreated timber.

EMERGENCY ASPECTS

Arch Timber Protection is committed to Product Stewardship and adheres to the principles of Responsible Care®. Biocides are selected taking into account the ultimate fate and disposal of the treated timber with minimum environmental impact. A 24 hour emergency line is in operation in support to Arch customers and should be contacted in the event of an accident or environmental emergency.

As with all biocides, care should be taken to ensure that the product does not enter the environment through soil or water courses. Please contact the Arch Timber Protection Customer Support team to ensure that you are using the most up to date version of this document.

FURTHER INFORMATION

For further information please contact Arch Timber Protection Customer Services at the address below.



Wheldon Road, Castleford, West Yorkshire, WF10 2JT.

Tel: +44 (0)1977 714000 Fax: +44 (0)1977 714001

E-Mail: advice@archchemicals.com www.archtp.com

IN CASE OF EMERGENCY TELEPHONE 01235 239670 (24 hours).

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Arch Timber Protection updates its literature as and when necessary. Please ensure you have an up to date copy

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Responsible Care