



PROTIM[®] 418

Fungicidal and Insecticidal Wood Preservative

Technical Data Sheet
TDS 1601

DESCRIPTION

PROTIM[®] 418 is a solvent based wood preservative containing two fungicides and an insecticide.

Protim 418 is highly effective against wood destroying insects, such as the Common Furniture Beetle and wet and dry rot fungi.

Protim 418 does not contain water and does not cause warping, twisting of timber or affect wood dimensions.

Protim 418 preserved wood is suitable for roof timbers, timber framing, carcassing, and internal and external timber projects that are above damp-proof course / ground level. For use on wood out of ground contact or out of surface water contact. Timbers exposed to weathering should be given the additional protection of a well-maintained surface finish.

Protim 418 is suitable for all types of timber and is non-corrosive to metals.

Protim 418 is supplied ready-for-use and must not be diluted. It is applied to timber in an industrial, controlled, vacuum pressure impregnation treatment process or by closed immersion. For use only as a wood preservative and by industrial operators.

PROPERTIES

Colour:	Straw coloured (tinted versions are also available)
Odour:	Characteristic.
Flash Point:	37°C
Density (g/cm ³):	0.8

RECOMMENDATIONS FOR USE

Timber

The timber to be preserved shall be clean and dry to allow penetration of the liquid and not decayed by fungi or attacked by insects.

Wood-working (e.g. planing, profiling) should be carried out before treatment. At the time of treatment the timber moisture content must be below the fibre saturation point (approximately 28% m/m) and should be at the moisture content appropriate for the end use of the preserved timber.

Preservative Application

Protim 418 should be applied using a low pressure vacuum impregnation plant operated, in accordance with the Osmose Plant Operations Manual, to give an appropriate level of uptake and penetration into the wood.

Uptake

Uptake varies according to wood species, the condition of timber treated and the application method used. Approximately 10-25 litres/m³ may be expected. Contact Osmose for further information.

Drying of Freshly Treated Wood

Treated wood must be held until surfaces are dry within a banded area on a site which is maintained to prevent loss of treatment product to the environment.

Treated timber will dry naturally, but to minimise the drying period, tightly bound packs should be stickered and then allowed to stand in a well-ventilated area.

Timber which still has preservative liquid on its surfaces, or within a pack, must not be despatched.

PACKAGING and STORAGE

Supplied in 200 litre drums, IBC, or by bulk tanker. Must only be kept in original packaging. Keep container tightly closed. Keep in a safe place. Store in a cool, well-ventilated area. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children. The floor of the storage room must be impermeable to prevent the escape of liquids.

PROTIM 418 PRESERVED WOOD

DESCRIPTION

Protim 418 preserved wood has been preserved by the correct application of Protim 418 wood preservative in an industrial, controlled treatment process using vacuum pressure impregnation or closed immersion, and then allowed to dry.

Protim 418 preserved wood is protected against wood rotting fungi and wood destroying insects.

See the "User's Guide to Protim 418 Treated Timber" for additional and important information.

COMPATIBILITY

Timber treated with Protim 418 is non-corrosive to metals and so can be used in association with metal fixings.

If you desire to apply a paint, stain, clear water repellent or other finish to your preservative treated wood, we recommend following the manufacturer's instructions and label of the finishing product. We recommend that you apply the finishing product to a small test area before finishing the entire project to ensure that it provides the intended result, before proceeding.



DISPOSAL

Preserved timbers which are no longer usable such as cut ends, broken boards, sawdust, or treated timber material taken out of service, may be disposed of in landfills or burned in commercial or industrial incinerators or boilers in accordance with national and local regulations. For up-to-date information please contact the Technical Services Department.

SAFETY INFORMATION

Flammable.

Irritating to eyes and skin.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Harmful: May cause lung damage if swallowed.

If swallowed, do not induce vomiting; seek medical advice immediately and show the container or label.

Keep away from sources of ignition – No smoking.

When using do not eat, drink or smoke.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After contact with skin, wash immediately with plenty of water.

Wear suitable protective clothing and gloves.

Avoid release to the environment.

Safety Data Sheet available for professional user on request.

PRECAUTIONS

PROTIM 418

The handling and safety precautions shown on the Protim 418 product label must be understood and followed. Use only as a wood preservative and as described on the label. The product is supplied ready for use and must not be diluted.

The (COSHH) Control of Substances Hazardous to Health Regulations 2002 may apply to the use of this product at work. Engineering control of operator exposure must be used where reasonably practicable in addition to the following items of personal protective equipment. However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

Wear suitable protective clothing (coveralls), and gauntlets and eye protection when using the product and during maintenance of treatment equipment. Avoid excessive contamination of coveralls and launder regularly.

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air. Do not breathe aerosol.

Protect cuts and abrasions by means of a waterproof dressing. When using, do not eat, drink or smoke.

Wash splashes from eyes and skin immediately with water. Wash hands and exposed skin before meals and after use.

Do not contaminate watercourses or ground. Dispose of surplus chemical, contaminated materials (including sawdust) and the empty container safely using a method approved by the waste disposal authority.

See the product label and the Safety Data Sheet for further information.

Handling Precautions – Freshly Treated Wood

If freshly treated timber is visibly wet with the preservative, then impervious clothing such as impervious gauntlets, impervious footwear and an impervious apron should be worn when handling the recently treated timber.

Wash splashes from eyes and skin immediately with water. Do not eat, drink or smoke whilst handling freshly treated timber. Wash hands and exposed skin before eating, drinking, smoking and after work. Protect cuts and abrasions by means of a waterproof dressing.

ADDITIONAL INFORMATION

APPROVAL

Protim 418 is approved by the UK Health and Safety Executive under The Control of Pesticides Regulations 1986 (as amended), for use as directed. **HSE No. 6466.** Use only in accordance with the directions on the label. The approval holder and marketing company in the UK is Protim Solignum Limited. Protim 418 contains propiconazole, tebuconazole and permethrin. May produce an allergic reaction. Use wood preservatives safely. Always read the label and product information before use.

Protim 418 treated wood products are produced by independently owned and operated wood preserving facilities.

Osmose provides a range of products and technologies for the treatment, protection and enhancement of timber. Information and advice is available on all aspects of our products from the Technical Services Department.

For more information visit www.osmose-europe.com

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