READ SAFETY DIRECTIONS BEFORE OPENING OR USING

TRITHOR*

TERMITE PROTECTION

ACTIVE CONSTITUENT: 0.5 g/kg DELTAMETHRIN
(Equivalent to 1 g/m² deltamethrin)

GROUP 3A INSECTICIDE

For the protection of buildings and structures from subterranean termites
in accord with the Australian Standard Series AS 3660 - Termite management.

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APVMA Approval No: 59139/1/0506

Contents:
1 Sheet 50 m x 1.5 m (75.0 m²)

DIRECTIONS FOR USE

SITUATION	PEST	STATE	RATE	CRITICAL COMMENTS
Domestic, commercial, industrial, and public buildings to form a complete pre-construction treatment providing both termite and moisture protection or as a flexible termite management system that may be used as part of an integrated termite management program.	Subterranean termites.	All States except TAS.	Single sheet thickness is sufficient to form an effective barrier.	Trithor must be installed as a complete and continuous barrier. Any gaps or tears present in the sheet after installation must be repaired as per the General Instructions. For complete under slab sheet installations, installers should select an appropriate width sheet to minimise the number of joins needed to complete the installation. For joining sheets, attaching sheets to surfaces and treatment of penetrations, see General Instructions. For specific details on installation of sheet for full under slab treatments, perimeter treatments, service penetrations, retaining walls and construction joints see General Instructions.

Note: Recommendations to undertake annual inspections must be stated on the durable notice required by the BCA (clause B1.3 (j) (ii)).

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

GENERAL INSTRUCTIONS

Trithor is a professional termite protection system for new structures and extensions to existing structures. The purpose of Trithor is to deter concealed entry by subterranean termites from the soil into the structure above the termite barrier as per the Australian Standard Series AS 3660 Termite management. Use Trithor to establish a continuous barrier between the structure and any termite colonies in accord with AS 3660. A great deal of care is required to understand the construction details of the building and to install Trithor in a manner which ensures this complete and continuous barrier.

Trithor sheets and strips may be cut to size in order to fit different building construction methods and systems.

Trithor may be installed as a complete underslab treatment providing both termite and moisture protection or as a flexible termite management system that can be used as part of a complete termite management program. If Trithor is used in combination with a concrete slab acting as a physical termite barrier, the slab must be poured in accordance with Australian Standard AS 2870 Residential slabs and footings.

Prior to Installation

Prior to installing Trithor it is recommended that a site inspection is performed and the following precautions are carried out.

- Eliminate any active nest of an economically important species of subterranean termite found within the property boundary up to a distance of 50 m from the proposed new building work.
- Excavate all tree stumps, logs, and roots and remove from the building footprint.
- Remove all timber off-cuts, building debris, removable framework and other waste materials from the area where the Trithor is to be installed.

Joining Sheets

In most situations Trithor sheeting is held in place by construction materials as the structure is built. For instance, under-slab installations are held in place by the slab itself exhibiting downward pressure. In such cases adhesives or bonding agents used to join sheets are required until these construction components are installed. In situations where construction materials do not exert pressure on sheet overlaps such as perimeter cavities, a permanent bond must be created.

Such a bond can be made by an appropriate high strength construction adhesive, which has been documented to demonstrate meeting Australian Standard 3660 - Termite management with respect to providing a barrier to subterranean termites. Appropriate adhesives are those designed by the manufacturer to provide a construction grade bond between two impervious plastic sheets. If unsure of the suitability of the adhesive to be used contact the adhesive manufacturer for technical support. Ensure that a minimum of 200 mm overlap is achieved when joining.

Repairing Tears or Gaps

If the blanket is ripped or torn it must be repaired by applying a single strip of sufficient size to fully cover the gap or tear plus a minimum overlap of 50 mm. The repair strip is bonded onto the tear/gap as detailed above in Joining sheets.

Complete Under-Slab Treatment

Trithor provides both termite and moisture protection when installed as a complete under-slab treatment. Install the sheet on top of the bedding sand prior to laying steel reinforcing mesh. The blue layer should be on top and the yellow layer should be underneath. Ensure there is enough overlap sheet at the slab edge to allow full moisture and termite protection. Care should be taken to ensure no holes are made in the sheet when laying the steel mesh. The concrete is then poured on top of the Trithor Barrier.

Perimeter Treatment

In-fill Slab

Secure the plastic sheeting to the outer edge of the brickwork and fold the sheet over the top of the brickwork securing it to the internal brickwork towards the footings. Ensure that prior to the slab being poured that the sheet is securely held in place using an appropriate adhesive or bonding agent designed by the manufacturer to provide a construction grade bond between the sheet and the material it is being bonded to. The damp proof course is installed above the Trithor. The blue layer should face outwards with the yellow layer against the building.

Rebated slab edge

Trithor should be installed before the timber frame has been raised. Attach one edge of the sheet to the slab to ensure the frame bottom plate will be placed on top of the sheet using an appropriate adhesive or bonding agent. The second edge is fixed to the upper surface of the brickwork with the outside leading edge being visible in the damp proof course (DPC) horizontal mortar joint using an appropriate adhesive or bonding agent designed by the manufacturer to provide a construction grade bond between the sheet and the material it is being bonded to. Any excess Trithor sheet is installed into the cavity. The blue layer should face outwards with the yellow layer against the building.

Corners

Corners must be carefully installed ensuring the finished corner is smooth and sheeting is continuous. Make slits from the edge of the sheet into the corner of the slab to allow folding of the sheet around the corner. At a corner two sheets must be joined and sealed using an appropriate adhesive or bonding agent designed by the manufacturer to provide a construction grade bond between the sheet and the material it is being bonded to with a minimum of 50 mm overlap.

Service Penetrations

To protect penetrations construct a Trithor penetration collar.

Each penetration requires 2 patches of Trithor (300 mm x 300 mm). A cross-slit is cut in the centre of each patch to the exact dimensions of the penetration. These two patches are overlapped diagonally around the penetration and secured to each other, the penetration, and the moisture membrane using an appropriate adhesive or bonding agent designed by the manufacturer to provide a construction grade bond between the Trithor and the material it is being bonded to. A 40 mm wide collar of Trithor may also be secured around the penetration abutting the patches using an appropriate adhesive or bonding agent designed by the manufacturer to provide a construction grade bond between the sheet and the material it is being bonded to. Two cable ties are use to further secure the seal around the penetration.

Ensure there are no gaps between the moisture membrane, the Trithor patches and the penetration.

The blue layer is placed uppermost and the yellow layer face down.

Termite Caps and Strip Shielding

Termite shields are installed on all subfloor structures such as piers, posts, stumps and walls, below the underside of the lowest floor framing member or suspended concrete slab, to provide a continuous barrier. Strips of Trithor are fitted to allow for a minimum overhang of 40 mm on all exposed sides in the subfloor region. When joining Trithor Strips they must be sealed using appropriate adhesive or bonding agents designed by the manufacturer to provide a construction grade bond between the sheet and the material it is being bonded to. The blue layer is placed uppermost and the yellow layer face down.

Retaining Walls

Trithor can be used as a termite barrier when installed against a retaining wall. Trithor does not negate the necessity for installation of conventional water-proofing materials. Trithor should be installed down to the base of the wall plus 200 mm across the footing, in order to cover the base course mortar joint, and is then secured to the external concrete/brickwork. All joints and edges must be sealed using appropriate adhesive or bonding agents designed by the manufacturer to provide a construction grade bond between the sheet and the material it is being bonded to. The blue layer is designed to face the retaining wall and the yellow layer to face the soil/fill.

Construction Joints

Install a minimum of 300 mm wide strip of Trithor immediately under the construction joint by adhering it to the moisture membrane. If Trithor is being used in a continuous manner as the moisture membrane, there is no need for installing an additional strip under the construction joint. The Trithor strip must be located central to the construction joint. The blue layer is placed uppermost and the yellow layer face down.

For Existing Masonry/Concrete to New Concrete Joints - incl. additions, paths, etc.

Fix one edge of the Trithor sheet to the existing vertical edge surface using an appropriate adhesive or bonding agent designed by the manufacturer to provide a construction grade bond between the sheet and the material it is being bonded to. The Trithor sheet must start within 20 mm of the upper edge of the new concrete. Adhere all joints and ensure that the Trithor sheet remains continuous towards the footing and for at least 150 mm horizontally under the new concrete. It must be adhered to the upper surface of the moisture membrane using an appropriate adhesive or bonding agent designed by the manufacturer to provide a construction grade bond between the sheet and the material it is being bonded to.

Service Requirements:

Regular competent inspections are strongly recommended as part of an ongoing termite management program. Service requirements should be determined as a result of at least an annual inspection by a licensed professional pest manager. More frequent inspections may be required in high-risk termite areas.

To minimise the risk of termite infestation, the subfloor area of buildings should be kept free of stored or waste timber and all other building materials that attract termites. Appropriate action should also be taken to eliminate any undue dampness caused by leaking water or sewerage pipes, or inadequate drainage. Trithor will provide at least eight years protection.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT:

DO NOT contaminate streams, rivers or waterways with the product or the used container.

STORAGE AND DISPOSAL:

Store in the original packaging in a cool well-ventilated area. Do not store for prolonged periods in direct sunlight. Dispose of unused off-cuts by laying over the Trithor barrier at an installation site and cover with concrete slab or place in cavity wall. If this is not possible, off-cuts should be placed in a sealed plastic bag and disposed of via an approved industrial waste disposal site. Puncture or shred and bury empty packaging at a local authority landfill. Empty packaging and unused product should not be burnt.

SAFETY DIRECTIONS:

Do not touch or rub eyes, nose or mouth with hand. Facial skin contact may cause temporary numbness. Wash hands after use.

FIRST AID:

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.

MSDS:

Additional information is listed in the Material Safety Data Sheet.

NOTICE

Ensystex warrants that this product conforms to its description and is reasonably fit for the purposes stated on the label when used in accordance with Directions for Use under normal conditions of use. No warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of the product contrary to label instructions or under off-label permits not endorsed by Ensystex, or under abnormal conditions.

Batch No.:	D.O.M.