HomeGuard TMB
Termite Moisture Barrier

RESTRICTED CHEMICAL PRODUCT ONLY TO BE SUPPLIED TO, OR USED BY AN AUTHORISED PERSON

ACTIVE CONSTITUENT:
1 g/kg BIFENTHRIN

CONTENTS:
Various lengths and widths

GROUP	3A	INSECTICIDE

For the protection of structures from concealed termite entry*.

FIRST AID
If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

SAFETY DATA SHEET
Additional information is listed in the Safety Data Sheet which can be obtained from your supplier or at FMCaustralasia.com.au.

GENERAL INSTRUCTIONS

INSECTICIDE RESISTANCE WARNING
For insecticide resistance management HomeGuard® TMB is a Group 3A insecticide. Some naturally occurring insect biotypes resistant to HomeGuard® TMB and other Group 3A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if HomeGuard® TMB or other 3A insecticides are used repeatedly. The effectiveness of HomeGuard® TMB on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, FMC accepts no liability for any losses that may result from the failure of HomeGuard® TMB to control resistant insects.

HomeGuard® TMB may be subject to specific resistance management strategies. For further information contact your local supplier or FMC representative or local agricultural department agronomist.

PRODUCT INFORMATION
HomeGuard® TMB is a professional termite management system for new structures and extensions to existing structures. The purpose of HomeGuard® TMB is to deter

concealed entry by subterranean termites from the soil into a structure above the termite barrier as per AS3660.1. HomeGuard® TMB is not designed as a remedial treatment for existing termite damage.

HomeGuard® TMB contains an active ingredient that is dispersed fully throughout the plastic sheeting. This means that there is no top or bottom to the sheet - it may be installed equally effectively no matter which side is up.

HomeGuard® TMB 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 system. If HomeGuard® TMB is used in combination with a concrete slab acting as physical termite barrier, the slab must be poured in accordance with AS2870.1 Residential slabs and footings recommendations.

CRITICAL APPLICATION DETAILS
The installation of HomeGuard® TMB must be in accordance with Australian Standard AS3660.1 recommendations.

PRE-INSTALLATION
Prior to installing HomeGuard® TMB, it is recommended that a site inspection is performed and the following precautions are carried out. Elimination of any active nest of economically important wood feeding species of subterranean termite (as per AS3660.1) found within the property boundary up to a distance of 50 m from the proposed new building work. All tree stumps, logs, and roots shall be excavated and removed from the building footprint. All timber off-cuts, building debris, removable framework and other waste materials shall be removed from the area where the HomeGuard® TMB is to be installed. All structural material below the ground should bemade from termite resistant material such as masonry, concrete, steel etc.

JOINING SHEETS
In almost all use situations HomeGuard® TMB 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 high strength construction adhesives or heat-sealing using a portable heat sealer.

HomeGuard® TMB sheeting can be joined using an appropriate adhesive or bonding agent. Appropriate adhesives are those designed by the manufacturer to provide a construction grade bond between the two impervious plastic sheets. If unsure of the suitability of the adhesive to be used contact the adhesive manufacturer for technical support or otherwise test the adhesion of the product on a small section of the HomeGuard product. Ensure that a minimum of 200 mm overlap is achieved when joining.

REPAIRING TEARS OR GAPS
If the plastic sheeting is ripped or torn it must be repaired by applying a single sheet piece of sufficient size to fully cover the gap or tear plus a minimum overlap of 200 mm. The repair sheet is to be bonded onto the tear/gap as detailed above in Joining Sheets.

COMPLETE UNDER-SLAB TREATMENT

HomeGuard® TMB 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. 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 HomeGuard® TMB.

SERVICE PENETRATIONS

Vertical penetrations

When installing HomeGuard® TMB as a whole of slab application service penetrations must be protected. To construct a HomeGuard® penetration collar each penetration requires 2 patches of HomeGuard® TMB (size 300 mm x 300 mm). Make a crosswise slit in one of the patches and pull it tightly down over the penetration. 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, adhere the patch to the HomeGuard® TMB sheet and then wrap the patch around the penetration and adhere the two together. Using the second patch make a crosswise slit and pull the patch over the penetration down onto the first patch. Again, use 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. Attach the patch to the HomeGuard® TMB sheet and the penetration. Adhere the edges of the patches to the moisture membrane. Ensure there are no gaps between the moisture membrane, the square HomeGuard® TMB patches and the penetration.

Multiple Penetrations

Clusters of penetrations in close proximity are termed multiple penetrations or cluster penetrations. Treat each penetration separately ensuring a minimum of 100 mm HomeGuard® TMB sheet extends from each penetration and the HomeGuard® TMB sheet is overlapping between each of the penetrations. Ensure a double layer of HomeGuard® TMB sheet, as described in the vertical penetrations directions above, protects each penetration.

Retaining Walls

HomeGuard® TMB can be used as a termite barrier when installed against a retaining wall. HomeGuard® TMB does not negate the necessity for installation of conventional water proofing materials. HomeGuard® TMB must 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 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.

Construction Joints

Install a minimum of 300 mm wide strip of HomeGuard® TMB immediately under the construction joint by adhering it to the moisture membrane. If HomeGuard® TMB 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 HomeGuard® TMB strip must be located central to the construction joint.

For existing concrete to new concrete joints - incl additions, paths, etc

Fix one edge of the HomeGuard® TMB sheet to the existing vertical slab 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 HomeGuard® TMB sheet must start within 20 mm of the upper edge of the new concrete. Adhere all joints and ensure that the HomeGuard® TMB sheet remains continuous towards the footing and for at least 150 mm horizontally under the new concrete and 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.

For existing masonry to new concrete joints - incl additions, paths, etc

Using an appropriate filler, fill mortar joints and uneven surfaces for a vertical distance of at least 25 mm and within 20 mm of the upper edge of the new concrete. Fix one edge of the HomeGuard® TMB 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 HomeGuard® TMB sheet must start within 20 mm of the upper edge of the new concrete. Adhere all joints and ensure that the HomeGuard® TMB sheet remains continuous towards the footing and for at least 150 mm horizontally under the new concrete and 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 REQUIREMENT

HomeGuard® TMB contains an insecticide, which will both kill and repel termites that come into contact with it. The objective of HomeGuard® is to prevent concealed access from subterranean termites. Termites can still crawl around the barrier, but if this occurs, a visual mud trail (often referred to as a tunnel or lead) will be evident and regular inspections will identify this.

* Australian trials to date indicate that a correctly installed HomeGuard® barrier will prevent concealed termite entry by subterranean termites for at least two years. Regular competent inspection is recommended as part of an ongoing termite management program. Service requirements are to be determined as a result of at least an annual inspection by a licensed Pest Control Operator. More frequent inspections may be required in high risk termite areas. In determining the need for service, factors such as local termite pressure, breaches of the barrier and termiticide longevity should be considered.

Subterranean termites are on occasions capable of bridging termite barriers and therefore regular inspections, as detailed in the Australian Standard AS 4349.3, will significantly increase the probability of detection of termite activity before any damage or costly repairs are required.

STORAGE AND DISPOSAL

Store in closed original packaging, in a cool, well ventilated area away from children, animals, food and feedstuffs. **DO NOT** store for prolonged periods in direct sunlight. **DO NOT** allow product to enter sewers, drains, creeks or any other waterways.

When installing HomeGuard® TMB it is likely there will be some off-cut material. Wherever possible use these off-cuts for patches, repairs, collars etc. If pieces cannot be used they may be placed under the slab prior to pouring or within the cavity. If this is not possible, HomeGuard® off-cuts should be placed in a sealed plastic bag and disposed of via an approved industrial waste disposal site.

PROTECTION OF WILDLIFE, FISH, CRUSTACEAN AND THE ENVIRONMENT

DO NOT contaminate dams, rivers, streams, waterways or drains with product or the used container. **DO NOT** use as a fishpond liner.

PROTECTION OF PETS AND LIVESTOCK

Before applying, remove animals and pets from the areas to be treated.

WARRANTY

FMC makes no warranty expressed or implied, concerning the use of this product other than that indicated on the label. Except as so warranted the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

DIRECTIONS FOR USE (All states except Tas)

Restraints:

DO NOT use for remedial treatment of pre-existing termite damage.

PEST	SITUATIONS	RATE	CRITICAL COMMENTS
Subterranean termites	Domestic, commercial and industrial structures 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 system	Single sheet thickness is sufficient to form an effective termite and moisture barrier	HomeGuard® TMB must be installed as a complete and continuous barrier. Any gaps, punctures, or tears present in the sheet after installation must be repaired as per the instructions in the general use directions. For complete under slab sheet installations, installers should select an appropriate width sheet to minimise the number of joins needed to complete the barrier installation. For joining sheets, attaching sheets to surfaces and treatment of penetrations, see general instruction section. For specific details on installation of sheet for full under slab treatments, perimeter treatments, service penetrations, retaining walls and construction joints see general instructions.

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

APVMA Approval No. 60989/63433

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