# HomeGuard® PB
Termite Moisture Barrier

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

**ACTIVE CONSTITUENT:**
1 g/kg BIFENTHRIN

**NET 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. Available from the supplier or at FMCaustralasia.com.au

## GENERAL INSTRUCTIONS

### INSECTICIDE RESISTANCE WARNING
For insecticide resistance management HomeGuard® PB is a Group 3A insecticide. Some naturally occurring insect biotypes resistant to HomeGuard® PB 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® PB or other 3A insecticides are used repeatedly. The effectiveness of HomeGuard® PB 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® PB to control resistant insects.

HomeGuard® PB 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® PB is a professional termite management system for new structures and extensions to existing structures. The purpose of HomeGuard® PB is to deter concealed entry by subterranean termites from the soil into a structure above the termite barrier as per AS3660.1. HomeGuard® PB is not designed as a remedial treatment for existing termite damage.

HomeGuard® PB 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® PB is to be used for perimeter applications in combination with a concrete slab acting as physical termite barrier, and/or in combination with other termite management systems as per AS3660.1. When used in combination with a concrete slab acting as a physical barrier, the slab must be poured in accordance with AS2870.1 Residential slabs and footings recommendations.

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

### PRE-INSTALLATION
Prior to installing HomeGuard® PB, 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® PB is to be installed. All structural material below the ground should be made from termite resistant material such as masonry, concrete, steel etc.

### JOINING SHEETS
In almost all use situations HomeGuard® sheeting is held in place by construction materials as the structure is built. 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® PB sheeting can be joined using a heat sealer, an appropriate adhesive, or bonding agent. Appropriate adhesives are those designed by the manufacturer to provide a construction grade impervious bond between the two plastic sheets, allowing the system to meet Australian Standard 3660 - Termite Management with respect to providing a barrier to subterranean termites. 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 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.

## 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. If a separate damp proof course material is being used it is installed above the HomeGuard® PB level.

### Rebated slab edge

HomeGuard® PB 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 HomeGuard® PB sheet is installed into the cavity.

### Corners

Corners must be carefully installed ensuring 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 200 mm overlap.

## SERVICE PENETRATIONS

### Vertical penetrations in the perimeter

When installing HomeGuard® PB as a perimeter application, service penetrations must be protected. To construct a HomeGuard® penetration collar each penetration requires 2 patches of HomeGuard® PB (minimum 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® PB 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® PB sheet and the penetration. Adhere the edges of the patches to the moisture membrane. Ensure there are no gaps between the square HomeGuard® PB patches and the penetration.

### Multiple penetrations in the perimeter

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

## SERVICE REQUIREMENTS

HomeGuard® PB contains an insecticide, which will both kill and repel termites that come into contact with it. The objective of HomeGuard® PB 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 AS4349.3, 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® PB it is likely there will be some off-cut material. Wherever possible use these off-cuts for patches, repairs, etc. If pieces cannot be used they may be placed 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 perimeter 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® PB 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 above.<br><br>For joining sheets, attaching sheets to surfaces and treatment of penetrations, see general instruction section above. For specific details on installation of sheet for perimeter treatments, see general instructions above. |

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

APVMA Approval No. 62311/63424

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