HomeGuard® GT

Granular Termiticide

Product Manual

Precision Termite Management

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HomeGuard™ GT

Granular Termiticide

ACTIVE CONSTITUENT: 1g/kg BIFENTHRIN

GROUP 3A INSECTICIDE

For the protection of perimeter cavities and construction voids from concealed termite entry*.

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

CONTENTS: 15kg

FMC® FMC Australasia Pty Ltd
Unit 6, 9 Archimedes Place
Murarrie Qld 4172
Contact Number 1800 066 355

barcode to be inserted here - contains BN & DOM "border will not be printed"

HomeGuard GT Granular Termiticide:

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	Perimeter cavities and construction voids	Fill perimeter cavity or void to minimum 75mm depth	For specific details on installation see general instructions below.

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

General Instructions

INSECTICIDE RESISTANCE WARNING

GROUP 3A INSECTICIDE

For insecticide resistance management HomeGuard GT contains a Group 3A insecticide. Some naturally occurring insect biotypes resistant to HomeGuard GT 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 GT or other Group 3A insecticides are used repeatedly. The effectiveness of HomeGuard GT on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, FMC Australasia Pty Ltd accepts no liability for any losses that may result from the failure of HomeGuard GT to control resistant insects.

HomeGuard GT may be subject to specific resistance management strategies. For further information contact your local supplier or FMC Australasia Pty Ltd representative or local agricultural department agronomist.

Product information

HomeGuard GT provides protection from concealed entry of subterranean termites via the perimeter cavity or construction voids, of subterranean termites. HomeGuard GT may be used in combination with other termite management systems including other HomeGuard or Biflex products to provide a complete termite management system in accordance with AS3660.1. HomeGuard GT cannot be used as a remedial treatment for existing termite damage.

Critical application details

Perimeter cavity installation

A variety of perimeter cavity installation options are available depending on the slab design. It is important where construction materials consist of bricks or blocks containing core holes, that these holes are also protected from concealed termite entry. Holes may be completely filled with HomeGuard GT or alternatively place HomeGuard DPC between the outer brick leaf at the top of the perimeter cavity level ensuring all holes are completely covered.

In all cases, it is important that the finished ground level is at least 75mm away from the installed HomeGuard DPC or top of the HomeGuard GT filled core holes of the external masonry wall. In all cases, the HomeGuard GT perimeter treatment should be at least 75 mm deep in the perimeter cavity. If using a HomeGuard DPC in combination with HomeGuard GT, install the product over the full width of the external brick as a continuous barrier around the structure.

The width of the perimeter cavity is not a critical issue when using HomeGuard GT as the product is suitable for all perimeter cavity widths built in accordance with the Australian Standards requirements. There is no requirement to compact the HomeGuard GT but if filler material such as sand or crusher dust is used to reduce the cavity height to a minimum 75mm then this should be compacted before the HomeGuard GT is installed on top. All weep holes should be fitted with weep hole stoppers to stop granules flowing out of the cavity whilst allowing the venting of cavity moisture and the circulation of air into the wall cavity.

Installation techniques for the HomeGuard DPC apply for corners and joints in accordance with the HomeGuard DPC product label. Care should be taken to ensure that no granules are washed out of the perimeter cavity before the bricklayer seals it into the building and that a minimum depth of 75mm of HomeGuard GT is filled uniformly in the void.

Construction void installation

Construction voids should be filled with HomeGuard GT to a minimum of 75mm depth. The product should be fully encased by construction materials to prevent the erosion of product from the void area.

Considerations for pre-construction termite management systems

As part of a pre-construction termite management system, protection of service penetrations and critical joints is also required. There are a number of systems available for penetration protection and critical joints including HomeGuard Collars and HomeGuard sheet products. HomeGuard Collars provide protection from concealed entry via service penetrations of subterranean termites. Collars may be used in combination with FMC's professional termite management products to provide a termite management system in accordance with AS3660.1.

Service Requirements:

HomeGuard GT contains an insecticide, which will both kill and repel termites that come into contact with it. The objective of HomeGuard GT is to prevent concealed access from subterranean termites entering via service penetrations. Termites can still enter a structure via other routes.

*Australian trials to date indicate that HomeGuard GT correctly installed 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.

Storage and Disposal

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

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 in fishponds.

Protection of Pets and Livestock

Before applying, remove animals and pets from the construction sites where HomeGuard GT is being installed. Pick up all split granules and add them to the treated cavity or void.

FIRST AID

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

Material Safety Data Sheet

Additional information is listed in the Material Safety Data Sheet.

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.

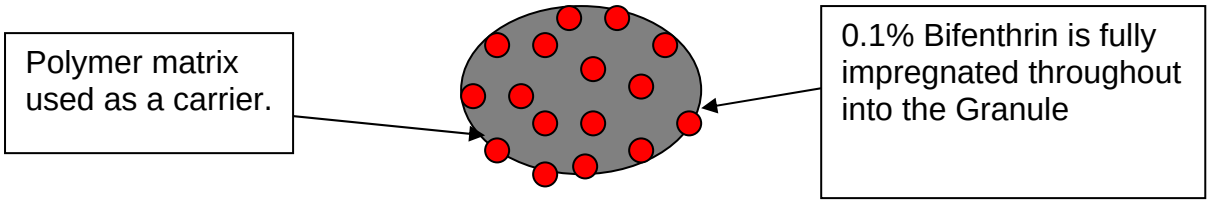
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APVMA Approval No. 61588/15KG/0108

Introduction to HomeGuard GT

HomeGuard GT is another integral part of the HomeGuard system that should be used in combination with HomeGuard sheet and HomeGuard Collars. HomeGuard GT fits situations where the installation of the traditional HomeGuard sheet products is not suited to the building design under construction. The application of the granule suits construction situations where the voiding of cavity moisture is a key requirement as it facilitates drainage of cavity moisture while maintaining the integrity of the termite barrier. It is also ideal in situations where the installation of HomeGuard Sheet is not possible because the frame of the structure has already been erected.

The product is a novel plastic granule formulation containing 1 g/kg of bifenthrin. The bifenthrin is distributed entirely throughout the plastic granule where it exhibits repellency and insecticidal activity against all termite species. The granule does not exude bifenthrin, rather its activity is expressed throughout the polymer granule matrix.



Under the Australian Standard *AS3660.1 Termite Management Part 1: New building work* **HomeGuard** is classified as a termite barrier in a non-soil matrix and can be utilised as a chemical and/or a physical Termite Management System meeting the 'Performance Appraisal' requirements of the Building Code of Australia (BCA).

HomeGuard GT provides robust protection of a structure via two actions:

- Kills termites upon contact
- Repels termites away from the barrier

HomeGuard GT system components

HomeGuard GT is used in specific situations as a perimeter cavity barrier. The product can be used in combination with the other HomeGuard Precision Termite system components, which include the HomeGuard sheet products and HomeGuard Collars. HomeGuard GT can also be used as a stand-alone Perimeter cavity installation in some situations. It is especially suitable for double brick constructions.

Installation instructions for Perimeter Cavities

The following illustration diagrams indicate the most common situations where HomeGuard GT can be installed in the perimeter cavity. The diagrams should be used as a guide to the correct installation of HomeGuard® GT. HomeGuard GT form part of the total Precision Termite management system and integrate with the other components of the system. Penetrations should be installed with HomeGuard Collars while the HomeGuard sheet plays an important role in the Cover Strip on the outer masonry wall.

2.1 Perimeter Cavity

A variety of perimeter cavity treatment options are available depending on the slab design. In all cases it is important that the finished ground level is at least 75mm below the top level of the HomeGuard GT and to ensure there is a 75mm inspection zone. In all cases the HomeGuard GT perimeter treatment is required to be 75 mm deep in the perimeter cavity. The installation should be in contact with the cover strip of HomeGuard sheet which is installed over the full width of the external brick. This will provide a continuous barrier around the structure (*refer to label)*. HomeGuard GT is suitable for all perimeter cavity widths built in accordance with the Australian Standards requirements. Where GT is to be placed in the weep hole level, weep holes should be fitted with approved stoppers that are available commercially, these will stop Granules flowing out of the cavity whilst allowing the voiding of cavity moisture and the circulation of air into the wall cavity. There are two varieties of stoppers available. One is built in with the new building and is installed when the bricks are being laid. The second option is to install the stopper into the weep hole after the wall has been built and these fit into existing weep holes. For more information on these commercially available stoppers contact the HomeGuard Help line.

Figure 1: Schematic of typical perimeter cavity installation of Home Guard GT. Note minimum depth of Granules is 75mm. The Barrier course can either be capped with a cover strip of DPC or Blue

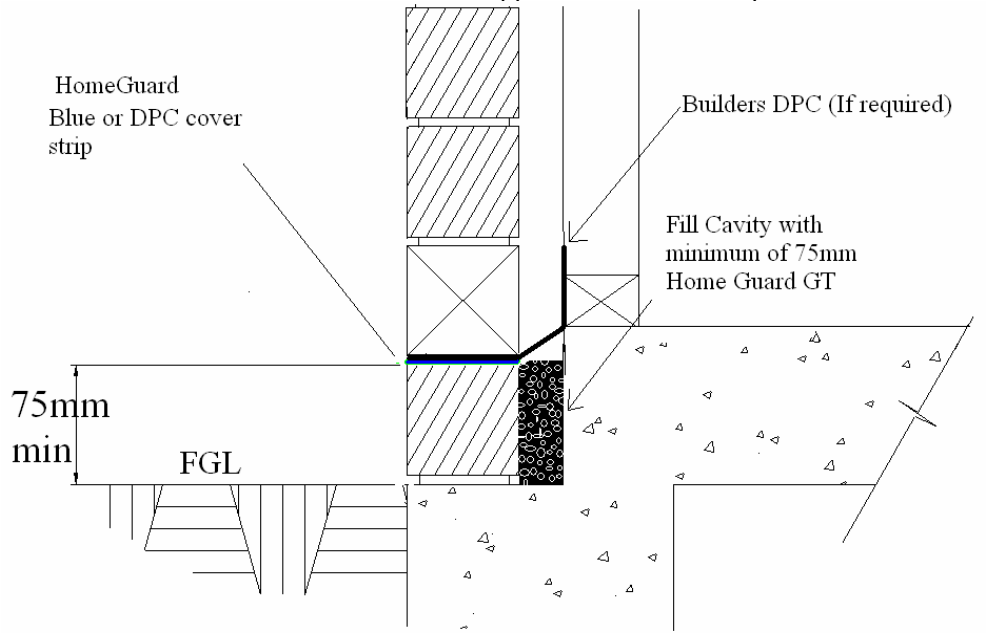
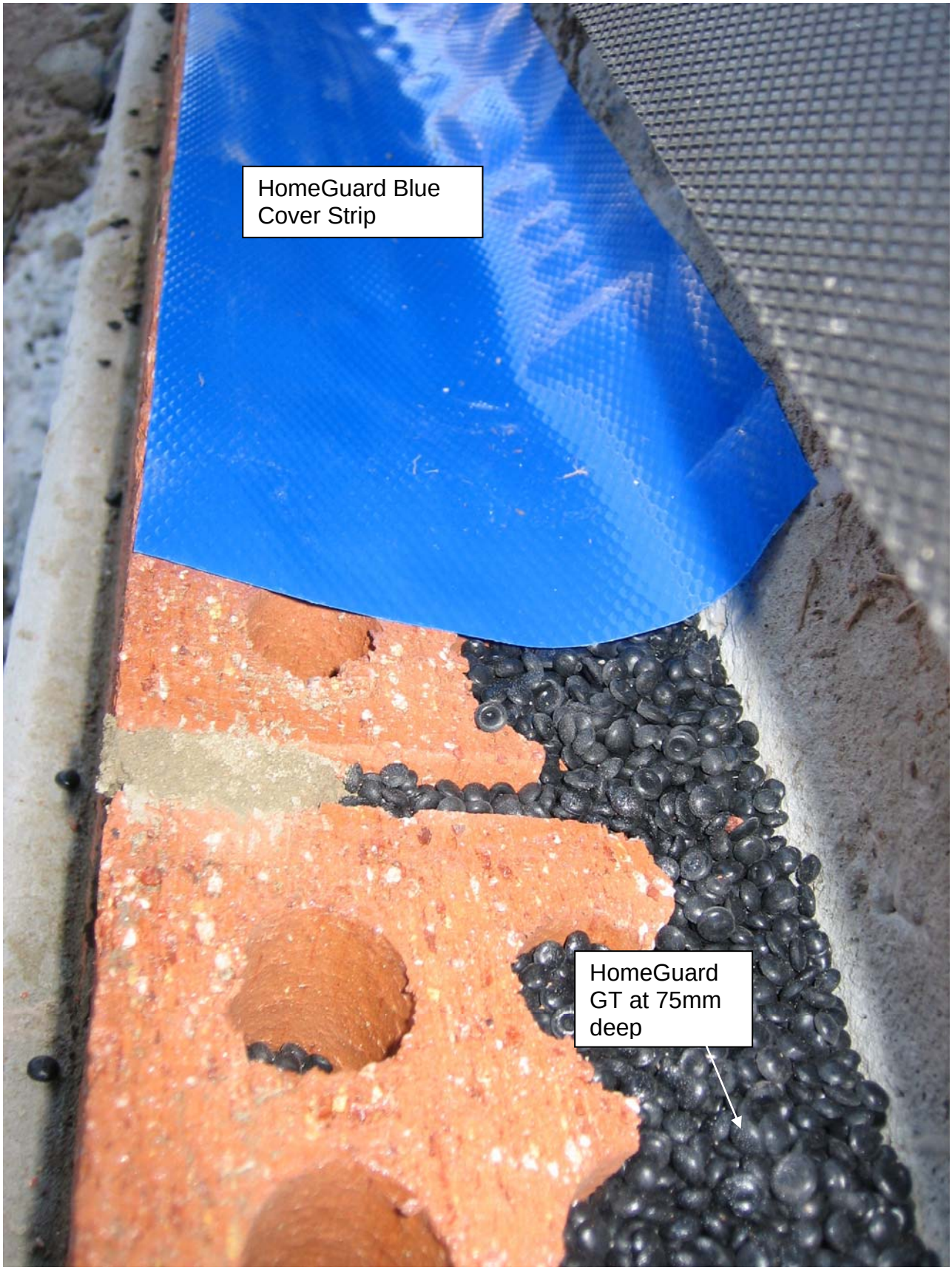
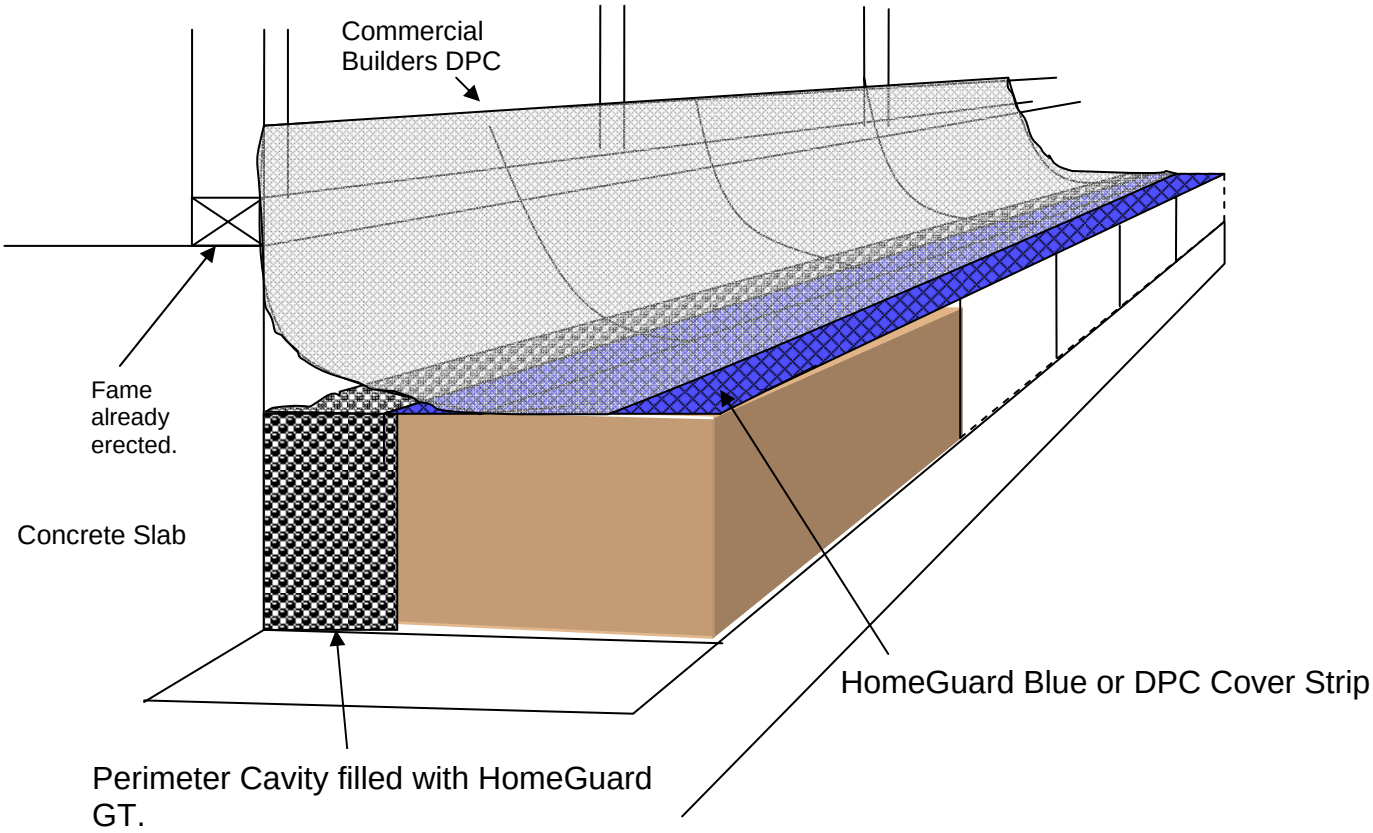


Figure 2: Top view of perimeter cavity showing HomeGuard GT installation with HomeGuard Blue coversheet across outer brick. Note HomeGuard GT installed level with top of brick.


HomeGuard Blue Cover Strip
HomeGuard GT at 75mm deep

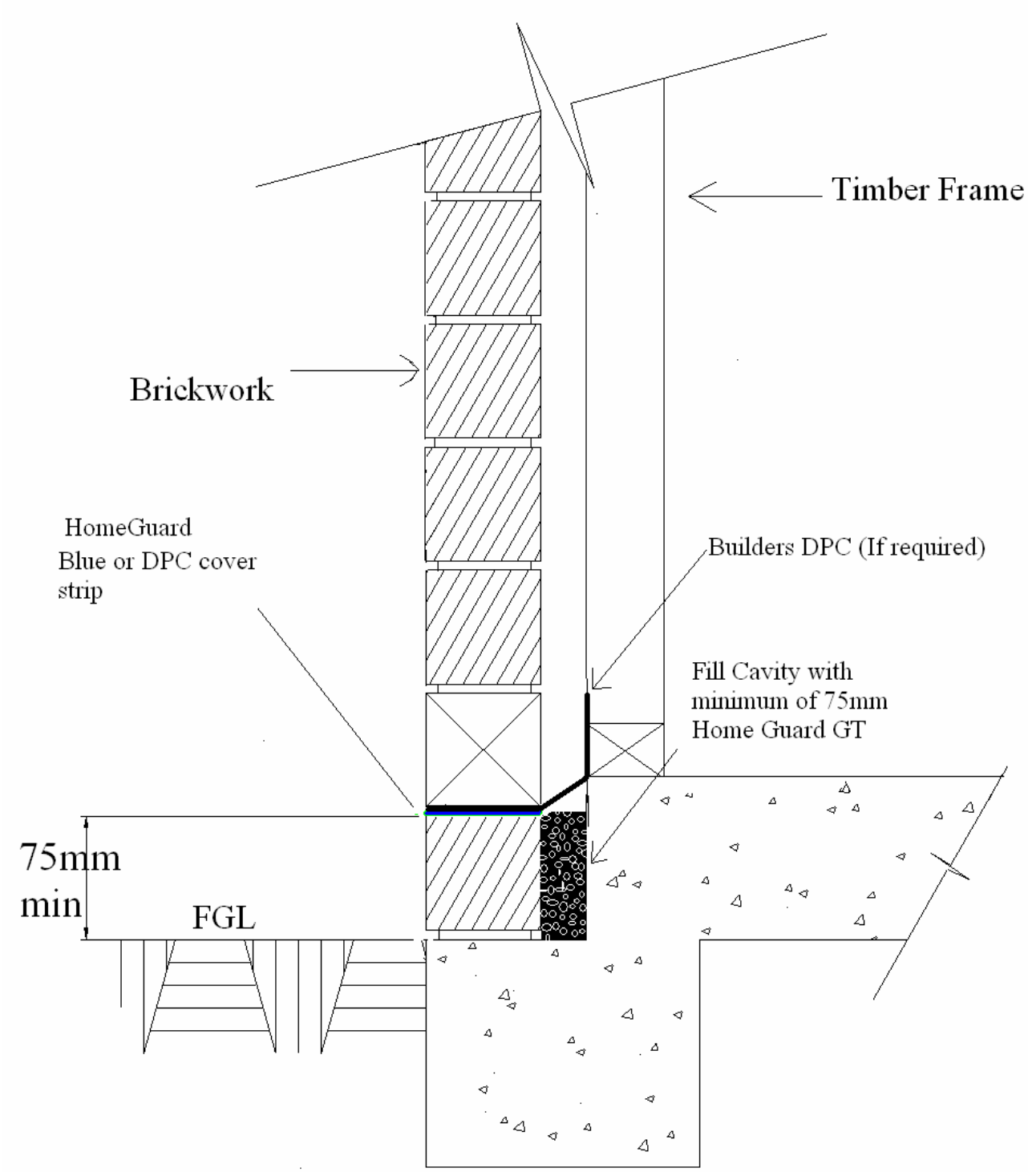
Installation of HomeGuard GT – Perimeter Cavity

- Once the first course of bricks have been laid, insert weep hole ‘pest stoppers’ to all weep holes around the cavity (*if required)*
- Check the perimeter cavity and remove obstructions (i.e. mortar slag) that may disrupt the even depth of the granules
- Fill the cavity void with HomeGuard GT to the required depth of a minimum 75mm.
- Lay a cover strip (HomeGuard Blue or DPC) on top of the barrier course of bricks so the sheet is in contact with the granules (110mm-150mm wide).
- All corners are to be constructed so the cover strip is continuous around the perimeter. Construct the corners using the HomeGuard Blue continuous corner technique.
- Use an approved adhesive to hold the Strip to the bricks
- Commercial Damp Proof Course can then be installed



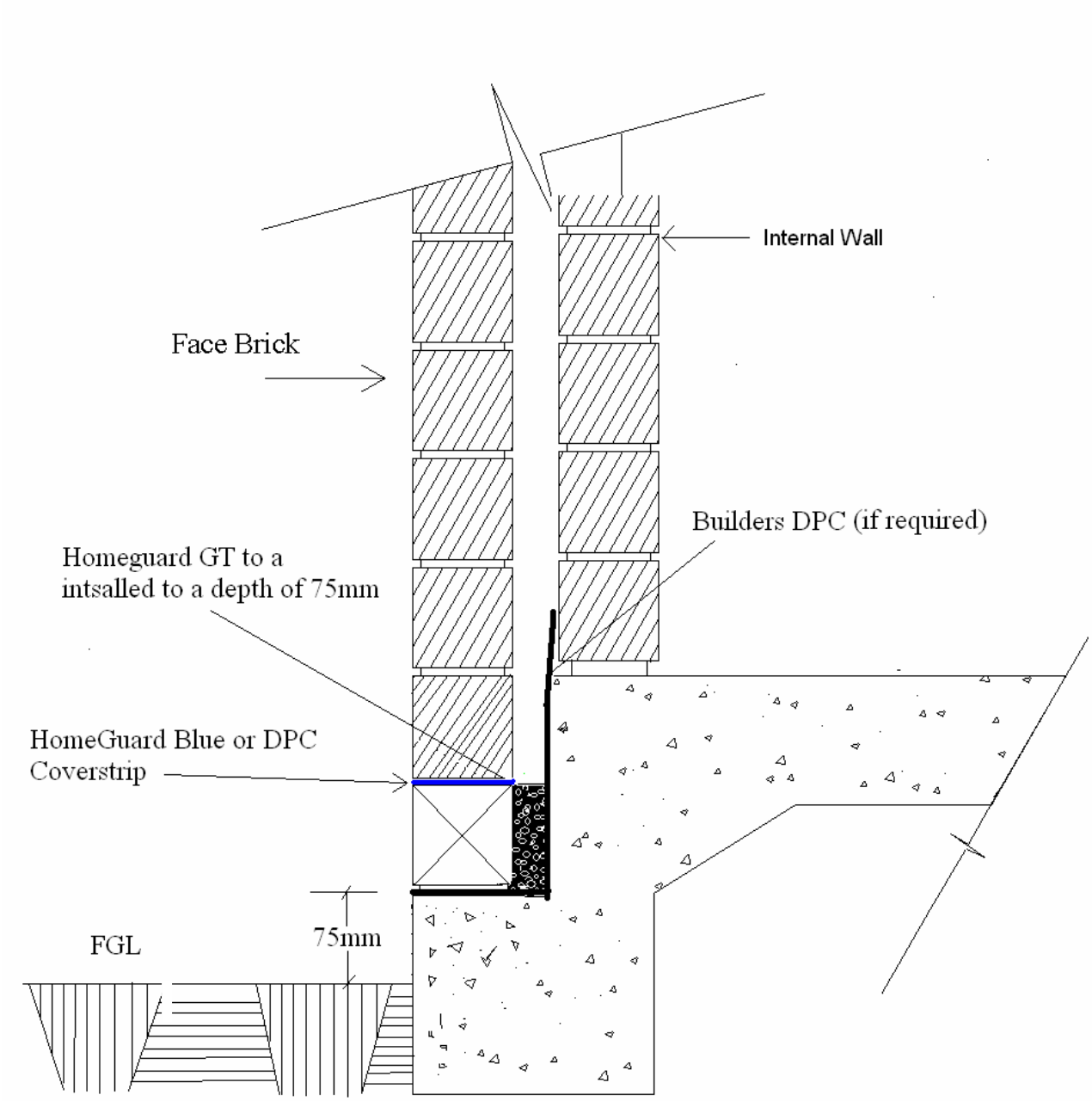
Perimeter Cavity Details

Perimeter cavity detail – single Rebate (GTPC1)



Perimeter cavity detail – single Rebate (GTPC1)

Perimeter cavity detail – multi rebate (GTPC1) SA



Perimeter cavity detail – multi rebate (GTPC1) SA

GT Penetration Changes (SP GT)

Changing the location of the penetration after the slab has been poured will require re-protection. Use HomeGuard GT as follows (and see diagrams over page):

- Contact construction manager or builder prior to performing any installations requiring removal of construction materials (e.g. portions of concrete slab)
- Construction manager and / or builder is responsible for any cutting or removal of construction materials
- Ensure that there will be sufficient depth to apply at least 40mm of GT and 40mm of concrete or Mortar
- When the base of the void is prepared, install the HomeGuard GT ensuring that all areas around the pipe are encompassed by the granules

- Install the GT to a minimum depth of 40mm

- Replace the HomeGuard collar in the correct position over the service penetration or make a new sheet collar.

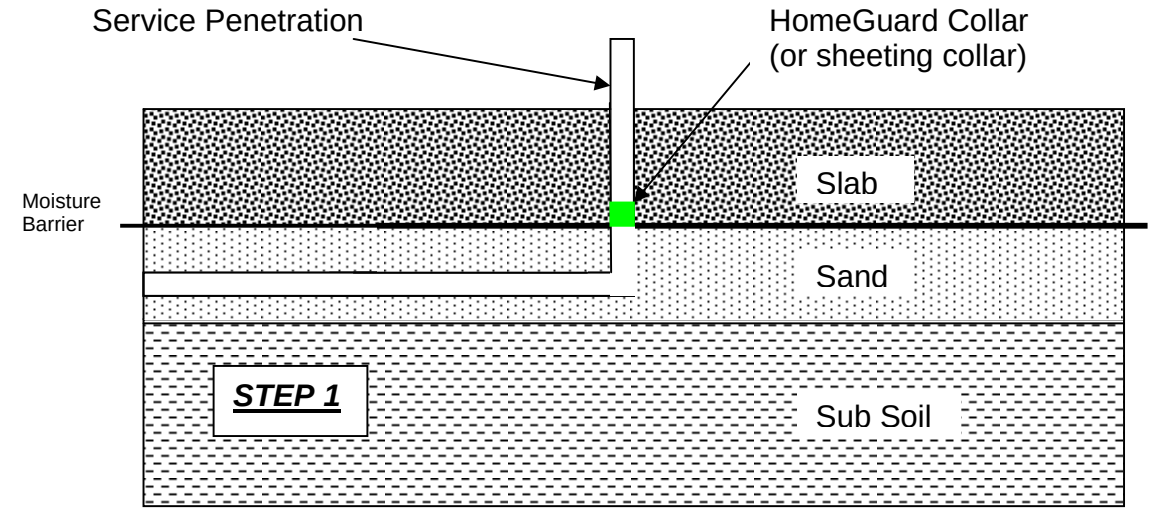
- Cut a piece of HomeGuard sheet large enough to cover the area of the GT
(See step 2)

- Construction materials can now be reinstated. It is the responsibility of the construction manager or builder to ensure the structural integrity of the construction materials is restored sufficiently to meet all relevant standards and building approvals.

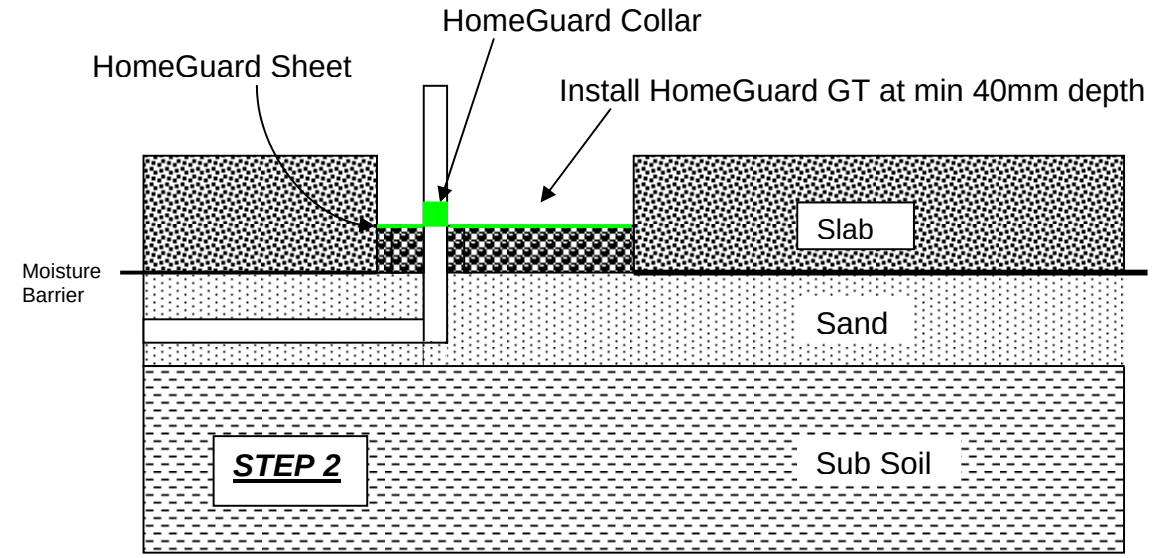
- Ensure that any deep ‘over cuts’ from the concrete saw are either covered with a piece of HomeGuard sheet or filled with an approved selastic.

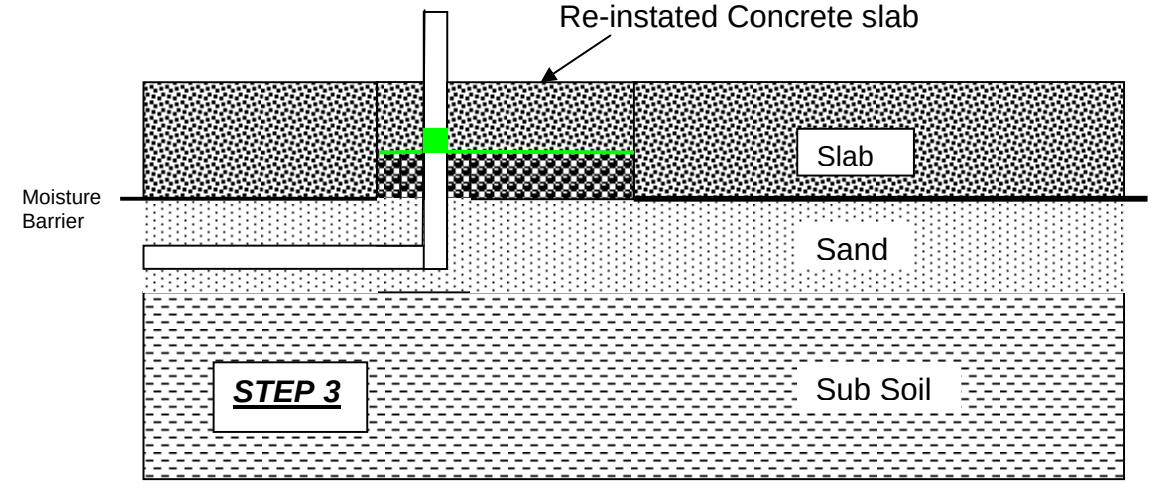
- A limited HomeGuard warranty applies for this procedure if the rest of the structure has been installed with HomeGuard according to the manual.

STEPS FOR MOVING PENETRATIONS IN SET CONCRETE SLABS (SP GT)



Service Penetration Moved





Construction Cavities/ Expansion Joints/ Pipe Removal

Construction Cavities
For protection of voids in the slab which have been exposed due to certain construction types, follow the steps outlined below.

- Make sure that the cavity is free from any obstructions which may hinder the flow or settlement of the granules.
- When the cavity is prepared, install the HomeGuard GT making sure that it fills the cavity up to the level of the slab's base (minimum 40mm).
- Once this is done, cut a piece of HomeGuard Sheet to cover the area of the cavity.
- Replace the HomeGuard collar or make a new sheet collar over the service penetration (if required).






Above and Left: Using GT for retro protection of service pipes.

GT Conduit Voidl

To safeguard against termites from entering a structure through cabling conduit, pour HomeGuard GT granules into the conduit following the steps set out below. For this process, it is advisable to communicate with the builder and electrician for safety and timing purposes.

- ***Ensure that there are no 'live' electricity cables exposed near the conduit.***
- Ensure that there are no more cables to be pulled through that particular conduit
- Make sure the cable for the treatment conduit has been pulled through and has been left exposed and accessible.
- Using a funnel, pour GT down the opening of the conduit until it nearly reaches the top of the opening.
- Gently tap the conduit to settle the granules

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