

GTEK™ **PROTECT**



WHY GTEK™?

WITH OUR ALL-AUSTRALIAN GTEK™ RANGE OF INTERIOR LINING PRODUCTS, YOU BENEFIT FROM SUSTAINABLE, QUALITY-TESTED TECHNOLOGY, FULL BGC INTERIOR LINING SYSTEMS COMPATIBILITY AND OUR CLASS-LEADING SERVICE NETWORK.

- **TECHNOLOGY /** Light, modular GTEK™ technology eases installation for seamless results
- SUSTAINABILITY / GECA certified: sustainable manufacture means higher Green Star ratings for your building

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separating wall systems providing design flexibility, simple construction



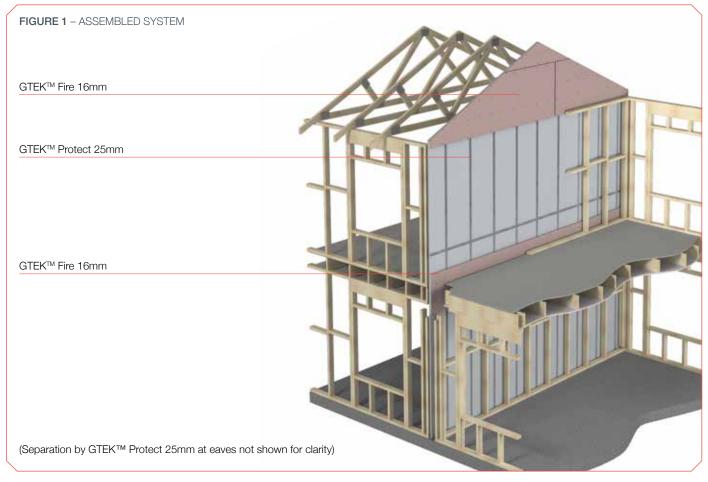
The GTEK[™] Protect System is a double wall system that incorporates fire-resistant GTEK™ Protect 25mm plasterboard panels within the wall cavity.

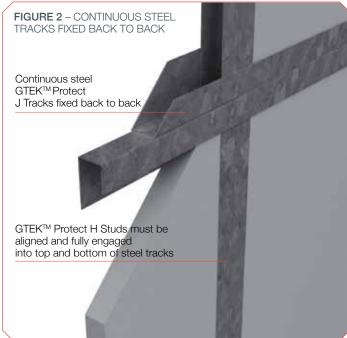
The GTEK™ Protect System has been tested and certified to meet a Fire Resistance Level (FRL) of 60/60/60 and acoustic performance up to and exceeding $R_W + C_{tr} = 50 dB$.

What's good about The GTEK™ Protect System

- ▶ Quick and easy to construct.
- ▶ Service penetrations, such as switches, power points, light fittings and pipes are easy to install through the outer layers of the system.
- Internal wall linings are installed at the plastering stage as per normal construction sequence.
- No wet trades required.
- ▶ Mould resistant.







HOW GTEK™ PROTECT WORKS

GTEKTM Protect is unlike a conventional fire rated wall system where fire resistant outer linings provide protection to the wall substrate. In the GTEKTM Protect System, the main fire barrier is within the wall cavity and is specifically designed to protect the structure on the opposite side of the fire. GTEKTM Protect 25mm depends on this structure for support in the event of the structure on the fire side collapsing or losing stability.

GTEKTM Protect Aluminium Clips are used to attach the GTEKTM Protect 25mm to the timber frames on both sides in order to ensure that the GTEKTM Protect 25mm is not damaged by the collapse of the structure on the fire side. As the clips on the fire side melt, GTEKTM Protect 25mm is disconnected from the collapsing structure and is supported by the clips and the structure on the protected side for the specified fire rating period.

Please note that steel clips must ${\bf not}$ be used in the GTEKTM Protect System as their use compromises the integrity of the GTEKTM Protect 25mm during the fire.

The inclusion of GTEKTM Sound 13mm or GTEKTM Total Plus 13mm provides additional options where the BCA requires $R_W+C_{tr}=50 dB$ acoustic rating.

This brochure covers timber framed GTEK™ Protect Systems. BGC Plasterboard can also advise on using the GTEK™ Protect System in steel framed buildings.

FIGURE 3 – BEFORE THE FIRE

GTEK™ Protect Aluminium Clips both sides of fire barrier

GTEK™ Protect 25mm

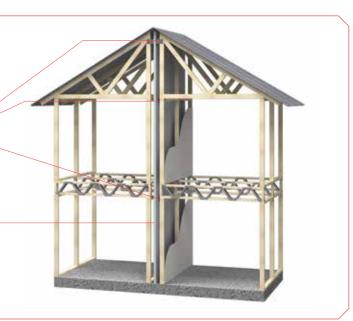


FIGURE 4 - DURING THE FIRE

 $\mathsf{GTEK}^\mathsf{TM} \ \mathsf{Protect} \ \mathsf{Aluminium} \ \mathsf{Clips} \ \mathsf{on} \ \mathsf{the} \ \mathsf{fire} \ \mathsf{side} \ \mathsf{melt}$

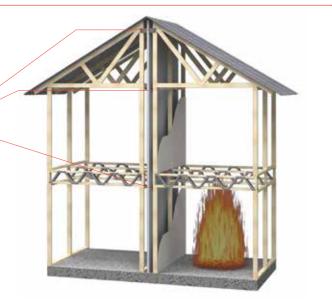


FIGURE 5 – AFTER THE FIRE

If building on the fire side of the GTEKTM Protect 25mm collapses, the fire barrier is held in place by the GTEKTM Protect Aluminium Clips on the other side.

Building on the other side is protected by the GTEK $^{\text{TM}}$ Protect 25mm.





EARLY FIRE INDICES

GTEK™ Protect 25mm complies with AS 1530.3

Ignitability Index	C
Spread of Flame Index	C
Heat Evolved Index	C
Smoke Developed Index	3

GTEK™ Fire 16mm complies with AS 1530.3

Ignitability Index	С
Spread of Flame Index	C
Heat Evolved Index	C
Smoke Developed Index	1

FIRE RESISTANCE

Plasterboard is naturally fire resistant and is classified as non-combustible according to the Building Code of Australia (BCA) Section C1.12.

DIMENSIONAL STABILITY

Plasterboard is dimensionally stable when compared to other building materials. Two measures of dimensional stability are:

Thermal coefficient of linear expansion (a) = 16.7×10^{-6} /°C, measured unrestrained over the temperature range of 3°C - 32°C

Hygrometric coefficient of expansion $6.5 \times 10-6$ /%RH, measured unrestrained over the Relative Humidity (RH) range of 10% - 90%

THERMAL PROPERTIES

The R value of plasterboard is a measure of its thermal insulation ability. Higher numbers indicate a better insulator. The 'R' values for plasterboard are:

- ▶ 10mm plasterboard = 0.05Km2/W
- 13mm plasterboard = 0.05Km2/W
- 16mm plasterboard = 0.06Km2/W
- 25mm plasterboard = 0.08Km2/W

HANDLING AND STORAGE

GTEK™ Fire 16mm and GTEK™ Protect 25mm should be stacked flat, up off the ground and supported on level, equally spaced (max 450mm) gluts. Care should be taken to ensure edges are not damaged when handling.

GTEK™ Fire 16mm and GTEK™ Protect 25mm should be delivered to site immediately prior to installation to reduce the risk of damage.

As per AS/NZ2588 – The area to be lined or partitioned shall be protected from the weather and sufficiently dry to ensure that the fixed gypsum lining will not suffer subsequent deterioration due to moisture absorption.

GTEK™ Protect must be protected and covered over within 2 months of installation at framing stage.

GTEK™ Protect Components – supp	lied by BGC	
GTEK™ Protect 25mm	3000 x 600 x 25mm 3600 x 600 x 25mm	
GTEK™ Fire 16mm	2400 x 1200 x 16mm 2700 x 1200 x 16mm 3000 x 1200 x 16mm 3600 x 1200 x 16mm	
GTEK™ H Stud	3000 x 25mm 3600 x 25mm	
GTEK™ J Track	3000 x 25mm	
GTEK™ Aluminium Clip		
 GTEK™ Protect System – Other acce	ssories required – not supplied by BGC	
GTEK™ Fire Insulation		
Fire mastic	10L Tub	The same of the sa
Fire mastic	600ml Sausage	Course Courses
Sg x 25mm Type 'W' timber screws		S Manne
10g x 40mm Type 'L' laminating screws		S Commo
10g x 16mm Type 'D' Drill point wafer head screws		(a) (mm)
10g x 30mm Type 'D' Drill point wafer head screws		So familia
30mm galvanised nails		P
90mm Glasswool insulation		



DESIGN CONSIDERATIONS

FIRE

The GTEK™ Protect System has been fire tested at Exova Warringtonfire AUST Pty Ltd in VIC.

The GTEK™ Protect System provides Fire Resistance Levels (FRL) of 60/60/60. In the case of a fire, the structural adequacy and load bearing capacity is provided by the wall frame on the other side of the GTEK™ Protect 25mm.

As the primary fire barrier (the GTEK™ Protect 25mm panels) is located in the cavity between the frames, the system permits easy inclusion of services such as electrical and communications cables, water and waste pipes, as long as the primary barrier is not penetrated. In primary living areas, penetrations are acceptable in the outer layers. Service penetrations are allowed through the GTEK™ Protect 25mm in the roof space.

The following penetrations are all suitable in the outer linings and are not required to be fire rated:

- electrical, data, or communications cables passing through the linings into the cavity.
- baths, cabinets, vanities or shower bases.
- standard residential electrical switches and power points.
- galvanised steel, copper or plastic water or wastewater pipes of up to 50mm nominal diameter passing through the linings into the cavity.

For other penetrations contact BGC Plasterboard on 1300 652 242.

The following requirements are essential to maintain the fire-rating integrity and acoustic performance of the GTEKTM Protect System:

- Use only the specified GTEK[™] Protect Aluminium Clips to attach the GTEK[™] Protect H Studs to framing members. In the event of a fire, this aluminium clip is designed to melt to allow the framing members on the fire side to fall away leaving the GTEK[™] Protect 25mm intact.
- Other than the clips, there should be no attachments to the GTEK™ Protect 25mm.
- There should be no penetrations through the GTEK[™] Protect 25mm apart from approved penetrations in the roof space. Refer to a Building Surveyor for advice.

For design and installation requirements of internal plasterboard wall linings, refer to the GTEK $^{\rm IM}$ Wall brochure.

FIGURE 6 - BASIC CONFIGURATION



Note: To achieve R_W45 or R_W+C_{tr} 40 separation, insulation is required in the wall cavity on the opposite side of the pipe.

ACOUSTIC

The GTEK™ Protect System has been the subject of a series of acoustic tests at the CSIRO Acoustic Laboratory at Clayton, Victoria.

Acoustical estimates have been determined by Marshall Day Acoustics.

Small penetrations of linings in occupancy areas such as power points, switches, light fittings and pipes do not need to be acoustically sealed.

GTEK $^{\rm IM}$ Protect 25mm base and internal lining junctions with floors must be sealed with an approved fire acoustic sealant.

The clear distance between the GTEKTM Protect 25mm and wall framing on both sides should not be less than 20mm nor more than 40mm.

All services should be run through the framing. Insulation thicker than the stud framing is allowed.

GTEK[™] Fire 16mm laminated to the GTEK[™] Protect 25mm should not come into contact with the stud or floor framing. It is recommended the gap between GTEK[™] Protect 25mm and timber framing be increased to a minimum 25mm on the GTEK[™] Fire side to ensure adequate clearance.

To maintain acoustic performance, service pipes must not be in contact with the GTEK $^{\!\top\!\!M}$ Protect 25mm.

The GTEK $\!\!\!^{\text{TM}}$ System Protect complies with BCA requirements for 'discontinuous construction'.

DESIGN CONSIDERATIONS

ISOLATED SUPPORT FOR STAIRS

'BCA COMPLIANT, SOUND AND FIRE RATED TIMBER FRAMED CONSTRUCTION – Design and Construction Guide for Class 1a. Attached Buildings – Townhouses', states that impact sound from stair usage typically vibrates its way into separating walls, thus creating a greater likelihood of sound passing across the wall into attached dwellings. The recommended way to prevent this is by isolating the stair structure. Options include:

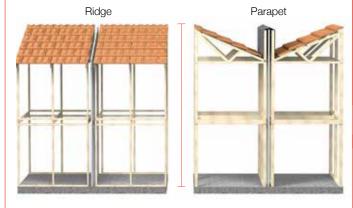
- Using the stringers to support the stairs, at each floor level, without intermediate support from the separating wall in between, ie free standing, or alternatively
 Using newel posts rather than the separating wall to support
- the stair structure
- Keeping the treads clear off the separating wall.

STRUCTURAL

MAXIMUM PERMISSIBLE HEIGHT

Height of the GTEK™ Protect System should not exceed 9 metres.

FIGURE 7 - MAXIMUM PERMISSIBLE HEIGHT



Maximum Height of GTEK™ Protect 25mm 9 metres continuous

CONTROL JOINTS

Where control joints are necessary in the outer layers as per AS2589, contact BGC Plasterboard on 1300 652 242 or www.gtekplasterboard.com.au for construction details.

WIND SPEED

The GTEK™ Protect System is suitable for wind classification N1 and N2 as determined by AS 4055, Wind loads for housing. For higher wind classifications BGC Plasterboard recommends temporary propping of GTEKTM Protect 25mm during construction until the building is enclosed. Propping details are to be designed by a suitably qualified Structural Engineer. Where the GTEKTM Protect System is proposed in cyclonic areas contact BGC Plasterboard for advice.

SUPPORT CLIP SEPARATION

Clips each side of the GTEK™ Protect 25mm must be spaced at no more than 3000mm vertically and 600mm horizontally.

FRAMING

Timber framing to be designed by a suitably qualified Structural Engineer to meet BCA requirements and relevant Australian Standards.

Note: Stud spacing not to exceed 600mm centres.

WET AREAS

In areas classified as Wet Areas in accordance with the BCA, the following linings should be used in lieu of the specified internal linings in order to achieve required fire and acoustic ratings:

WET AREA LININGS - TABLE 2

Specified Internal Lining	Wet Area Lining
10mm GTEK™ Wall	10mm GTEK™ Wet Area
2 x 10mm GTEK™ Wall	2 x 10mm GTEK™ Wet Area or 1 x 6mm BGC Duraliner™ Plus 1 x 10mm GTEK™ Wet Area
10mm GTEK™ Sound	13mm GTEK™ Wet Area
13mm GTEK™ Total Plus	13mm GTEK [™] Fire and Wet Area or 1 x 6mm BGC Duraliner [™] Plus 1 x 10mm GTEK [™] Wet Area

MATERIALS

All materials are available from BGC Plasterboard and must be installed in accordance with current printed instructions. All materials should be stored clear of the ground and provided protection from damage and exposure to the elements.

LININGS FOR OCCUPANCY AREAS

Linings in the occupancy areas (including GTEKTM Fire and Wet Area specified in some GTEKTM Protect Wet Area Systems) do not need to be fire rated and are constructed using the normal installation and finishing methods outlined in the GTEK™ Wall & Ceiling Brochure. Base of linings must be acoustically sealed.





Side 1 - 1 x GTEK™ Wet Area 10mm Side 2 - 1 x GTEK™ Wet Area 10mm

GTEK-PR25001

FRL	STUD DEPTH mm	70	90
	CAVITY INFILL	Rw/Rw+Ctr	
	75mm Glasswool R1.8	57/39	61/44
60/60/60	90mm Glasswool R2.5	57/39	61/44
00/00/00	90mm Glasswool R2.7	58/40	62/45
	WALL THICKNESS mm	225	265



Side 1 – 1 x GTEKTM Sound 10mm Side 2 – 1 x GTEKTM Sound 10mm

GTEK-PR25002

	STUD DEPTH mm	70	90
FRL	CAVITY INFILL	Rw/Rw+Ctr	
	75mm Glasswool R1.8	62/43	66/51
60/60/60	90mm Glasswool R2.5	62/43	66/51
00/00/00	90mm Glasswool R2.7	63/44	67/52
\	WALL THICKNESS mm	225	265



Side 1 – 1 x GTEKTM Wet Area 13mm Side 2 – 1 x GTEKTM Wet Area 13mm

FRL	STUD DEPTH mm	70	90
	CAVITY INFILL	Rw/Rw+Ctr	
	75mm Glasswool R1.8	62/44	67/51
60/60/60	90mm Glasswool R2.5	62/44	67/51
00/00/00	90mm Glasswool R2.7	63/45	68/52
	WALL THICKNESS mm	231	271



Side 1 – 1 x GTEK™ Wall 13mm Side 2 – 1 x GTEK™ Wall 13mm

GTEK-PR25004

FRL STUD DEPTH mm CAVITY INFILL	70	90	
	CAVITY INFILL	Rw/Rw+Ctr	
	75mm Glasswool R1.8	62/43	67/51
60/60/60	90mm Glasswool R2.5	62/43	67/51
\ \	90mm Glasswool R2.7	63/44	68/52
	WALL THICKNESS mm	225	265



Side 1 – 1 x BGC Duraliner Plus 6mm Side 2 – 1 x BGC Duraliner Plus 6mm

GTEK-PR25005

	STUD DEPTH mm	70	90
FRL	CAVITY INFILL	Rw/Rw+Ctr	
	75mm Glasswool R1.8	62/44	67/52
60/60/60	90mm Glasswool R2.5	62/44	67/52
00/00/00	90mm Glasswool R2.7	63/45	68/53
	WALL THICKNESS mm	217	257



Side 1 – 1 x GTEKTM Fire 13mm Side 2 – 1 x GTEKTM Fire 13mm

FRL	STUD DEPTH mm	70	90
	CAVITY INFILL	Rw/Rw+Ctr	
	75mm Glasswool R1.8	64/47	68/53
60/60/60	90mm Glasswool R2.5	64/47	68/53
30,30,30	90mm Glasswool R2.7	65/48	69/53
\	WALL THICKNESS mm	231	271





Side 1 - 1 x GTEK™ Sound 13mm Side 2 - 1 x GTEK™ Sound 13mm

GTEK-PR25007

FRL STUD DEPTH mm CAVITY INFILL	70	90	
	CAVITY INFILL	Rw/Rw+Ctr	
	75mm Glasswool R1.8	65/47	69/53
60/60/60	90mm Glasswool R2.5	65/47	69/53
00/00/00	90mm Glasswool R2.7	66/48	70/54
	WALL THICKNESS mm	231	271



Side 1 – 1 x GTEK™ Total Plus 13mm Side 2 – 1 x GTEK™ Total Plus 13mm

GTEK-PR25008

	STUD DEPTH mm	70	90
FRL	CAVITY INFILL	Rw/Rw+Ctr	
	75mm Glasswool R1.8	65/47	69/53
60/60/60	90mm Glasswool R2.5	65/47	69/53
00/00/00	90mm Glasswool R2.7	66/48	70/54
_	WALL THICKNESS mm	231	271



Side 1 – 1 x GTEKTM Fire 16mm Side 2 – 1 x GTEKTM Fire 16mm

	STUD DEPTH mm	70	90
FRL	CAVITY INFILL	Rw/Rw+Ctr	
60/60/60	75mm Glasswool R1.8	66/48	70/54
	90mm Glasswool R2.5	66/48	70/54
	90mm Glasswool R2.7	67/49	71/55
	WALL THICKNESS mm	237	277



Side 1 – 1 x GTEK™ Fire and Wet Area 13mm Side 2 – 1 x GTEK™ Fire and Wet Area 13mm

GTEK-PR25010

		STUD DEPTH mm	70	90
	FRL	CAVITY INFILL	Rw/Rw+Ctr	
60/60/60	75mm Glasswool R1.8	65/48	69/54	
	90mm Glasswool R2.5	65/48	69/54	
	00/00/00	90mm Glasswool R2.7	66/49	70/55
		WALL THICKNESS mm	231	271



Side 1 – 2 x GTEK™ Wall 10mm Side 2 – 2 x GTEK™ Wall 10mm

GTEK-PR25011

	STUD DEPTH mm	70	90
FRL	CAVITY INFILL	Rw/Rw+Ctr	
60/60/60	75mm Glasswool R1.8	66/48	70/55
	90mm Glasswool R2.5	66/48	70/55
	90mm Glasswool R2.7	67/49	71/56
	WALL THICKNESS mm	245	285



Side 1 – 1 x BGC Duraliner Plus 9mm Side 2 – 1 x BGC Duraliner Plus 9mm

	STUD DEPTH mm	70	90
FRL	CAVITY INFILL	Rw/Rw+Ctr	
60/60/60	75mm Glasswool R1.8	67/50	71/55
	90mm Glasswool R2.5	67/50	71/55
	90mm Glasswool R2.7	68/51	72/56
	WALL THICKNESS mm	223	263





Side 1 - 1 x GTEK™ Sound 10mm 1 x GTEK™ Wall 10mm Side 2 - 1 x GTEK™ Sound 10mm 1 x GTEK™ Wall 10mm

GTEK-PR25013

FDI	STUD DEPTH mm		90
FRL	CAVITY INFILL	Rw/Rw+Ctr	
60/60/60	75mm Glasswool R1.8	67/53	71/56
	90mm Glasswool R2.5	67/53	71/56
	90mm Glasswool R2.7	68/54	72/57
	WALL THICKNESS mm	245	285



Side 1 - 1 x GTEK™ Wet Area 10mm 1 x BGC Duraliner Plus 6mm Side 2 - 1 x GTEK™ Wet Area 10mm 1 x BGC Duraliner Plus 6mm

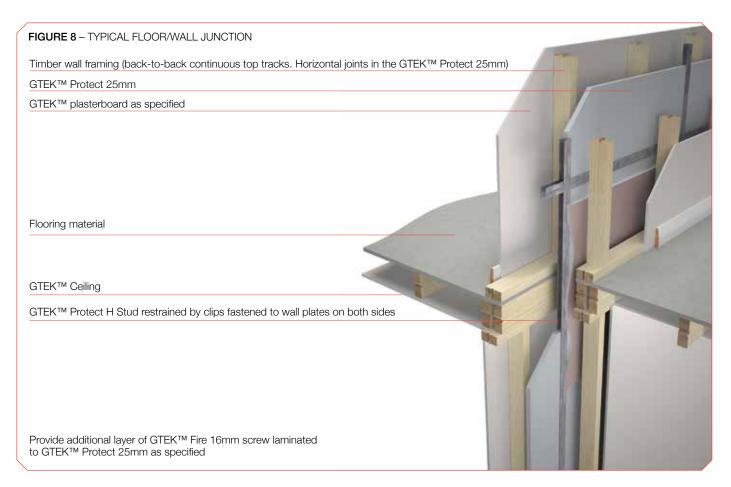
GTEK-PR25014

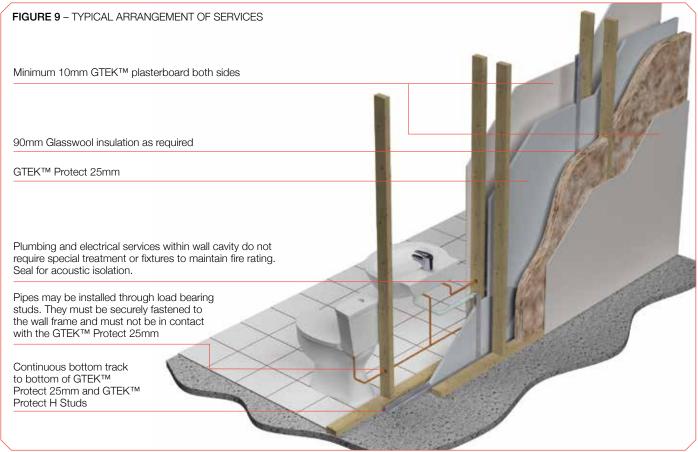
· FDI	STUD DEPTH mm	70	90
FRL	CAVITY INFILL	Rw/Rw+Ctr	
60/60/60	75mm Glasswool R1.8	69/54	72/57
	90mm Glasswool R2.5	69/54	72/57
	90mm Glasswool R2.7	70/55	73/58
	WALL THICKNESS mm	237	277



Side 1 – 2 x GTEK™ Wall 13mm Side 2 – 2 x GTEK™ Wall 13mm

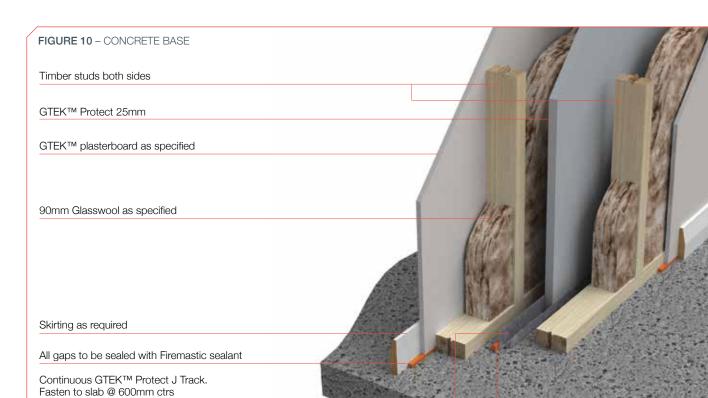
ED!	STUD DEPTH mm	70	90
FRL	CAVITY INFILL	Rw/Rw+Ctr	
60/60/60	75mm Glasswool R1.8	70/55	73/59
	90mm Glasswool R2.5	70/55	73/59
00,00,00	90mm Glasswool R2.7	71/55	74/60
_	WALL THICKNESS mm	257	297

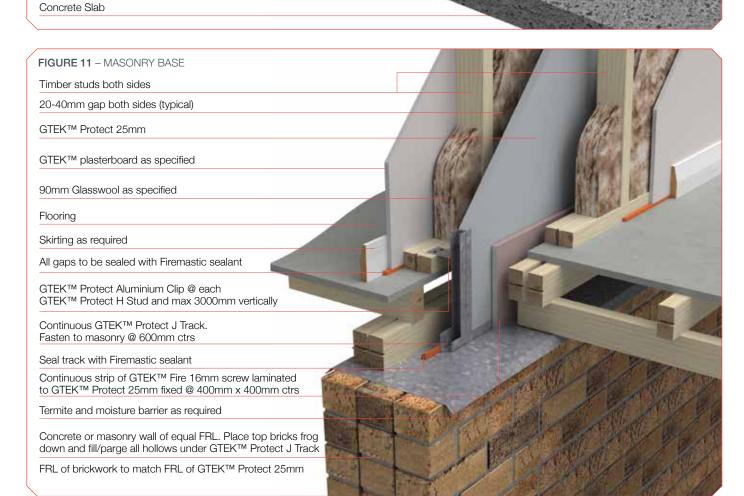


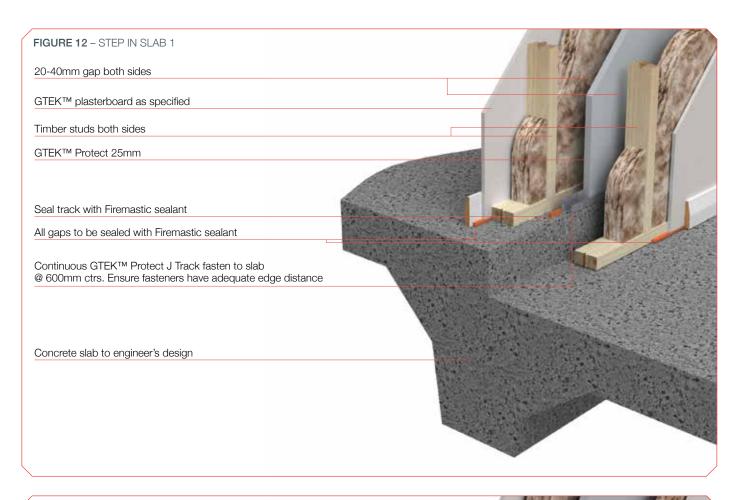




Seal track with Firemastic sealant







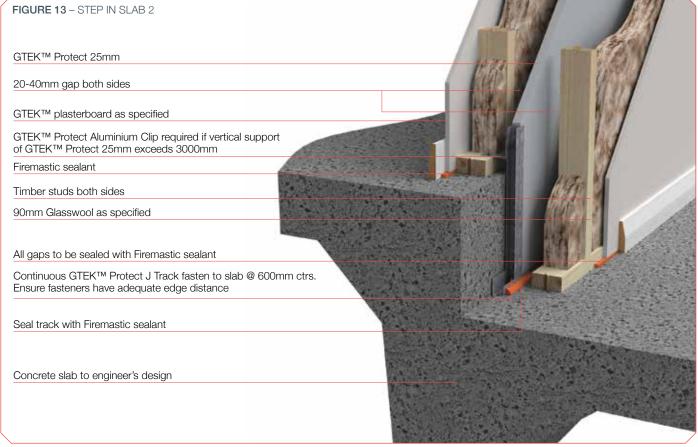




FIGURE 14 - TYPICAL FLOOR/WALL JUNCTION 1

20-40mm gap each side

GTEK™ Protect 25mm and GTEK™ Protect H Studs

Continuous top and bottom track. Fasten together with 10 gauge screws @ 600mm max ctrs

Where no trimmers or end blocks exist between floor joists, screw laminate an additional layer of GTEK™ Fire 16mm @ floor levels extending 150mm, above floor and below ceiling. Fixings @ 400mm x 400mm ctrs

Flooring

Skirting as required

All gaps to be sealed with Firemastic sealant

Floor joist

GTEK™ Ceiling plasterboard as specified

GTEK™ Protect Aluminium Clips @ each stud

GTEK™ plasterboard as specified both sides

90mm Glasswool as specified

Timber studs

Notes: 1) Floors may be staggered to meet design requirements.

2) Floor joists can be of any type and can run parallel or perpendicular to GTEK™ Protect 25mm

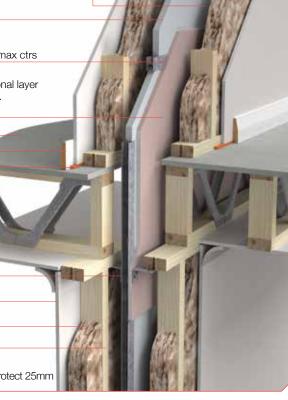


FIGURE 15 – TYPICAL FLOOR/WALL JUNCTION 2

Additional GTEK™ Fire 16mm at floor/roof junction

GTEK™ Protect 25mm

Roof or floor (floor shown for illustrative purposes)

Where GTEKTM Protect 25mm horizontal joint exceeds 600mm and no greater than 1500mm vertically from a GTEKTM Protect 25mm Aluminium Clip, laminate additional GTEKTM Fire 16mm as indicated @ 400mm x 400mm ctrs with 10g x 38mm Type L laminating screws

Continuous top and bottom track fasten together with 10 gauge screws @ 600mm ctrs

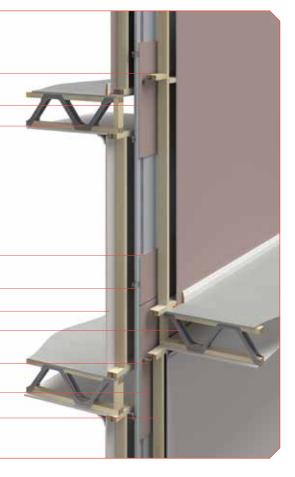
GTEK™ plasterboard as specified

Position of posi-strut or timber floor is for illustrative purposes only

GTEK™ Protect Aluminium Clips

Additional GTEK™ Fire 16mm at floor junction

Timber studs



600mm 90mm Glasswool

FIGURE 16 - PITCHED ROOF - WALL/ROOF

Non-combustible roofing

Roof battens

Roof framing

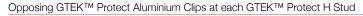
Continuous compressed GTEK™ Protect Fire Insulation between battens and over capping

Allow gap for frame shrinkage and roof movement Continuous capping ex GTEK™ Protect J Track

Additional layer of GTEK™ Fire 16mm laminated to GTEK™ Protect 25mm with 10g x 38mm laminating screws @ 400mm x 400mm max ctrs (roof space only)

Provide timber packing where distance of truss face to GTEK™ Protect 25mm does not provide adequate fixing of aluminium clip

90mm Glasswool extending 600mm both sides (required for flanking sound control) not required if average height of roof space above ceiling is greater than 600mm (thermal insulation as utilised to achieve system thermal performance is acceptable for flanking sound control)



GTEK™ plasterboard as specified both sides

90mm Glasswool to one/both sides as specified to achieve acoustic rating

Timber studs

GTEK™ Protect 25mm

FIGURE 17 - FLAT ROOF - WALL/ROOF

Max 25mm gap between underside of roofing and GTEK™ Protect 25mm

Continuous capping ex GTEK™ Protect 25mm J Track

Non-combustible roofing

Opposing GTEK™ Protect Aluminium Clips @ each stud

GTEK™ Protect Fire Insulation

90mm Glasswool extending 600mm both sides (required for flanking sound control) not required if average height of roof above ceiling is greater than 600mm (thermal insulation as utilised to achieve system thermal performance is acceptable for flanking sound control)

GTEK™ plasterboard as specified

GTEK™ Protect 25mm

GTEK™ plasterboard as specified both sides

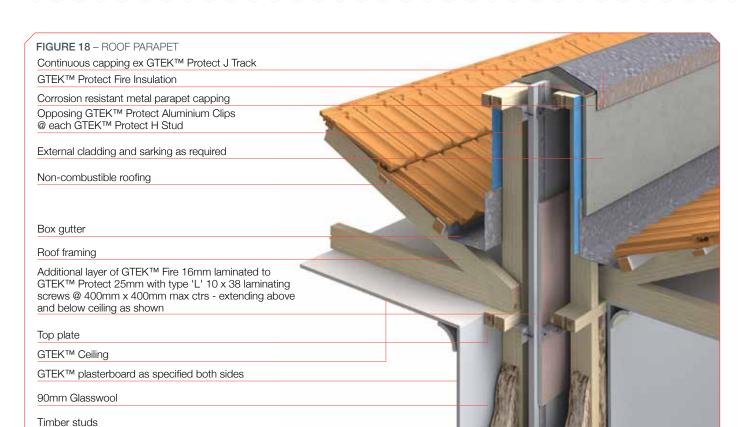
20-40mm gap each side

90mm Glasswool to one/both sides as specified to achieve acoustic rating



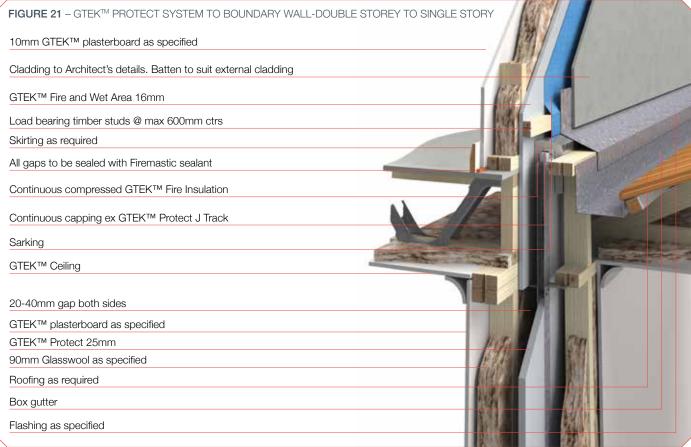


GTEK™ Protect 25mm



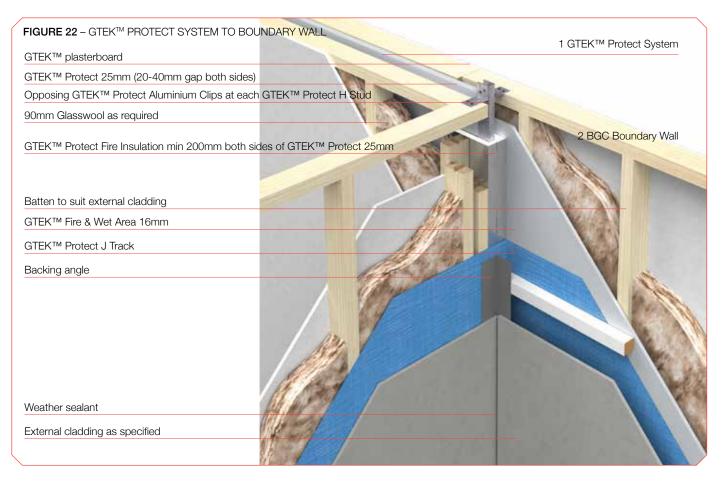


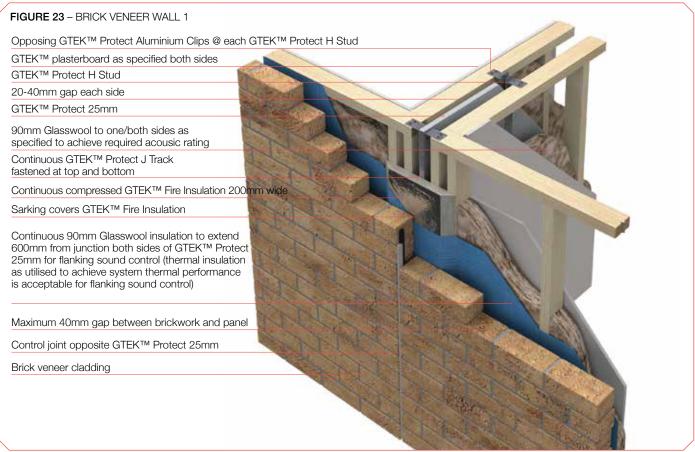


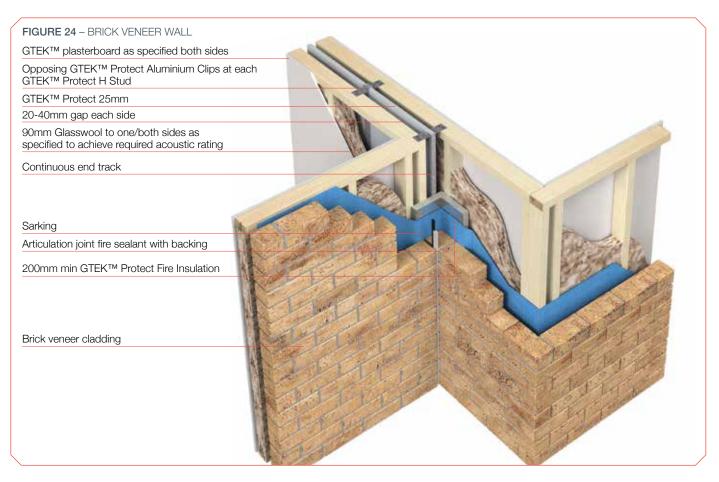


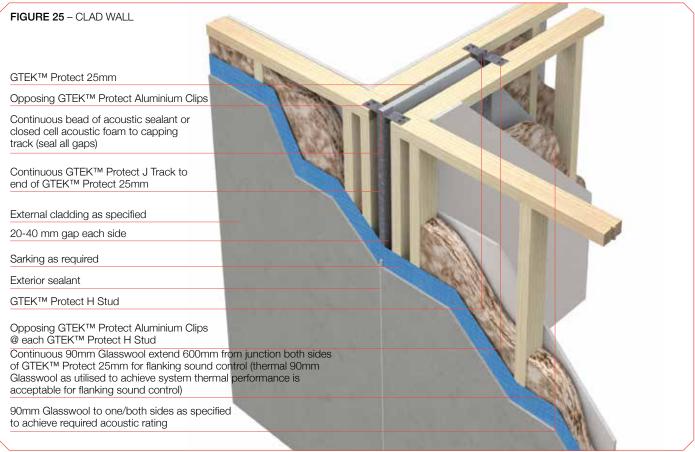
Note: FRL 60/60/60 for upper storey external wall fire rating is from outside only.



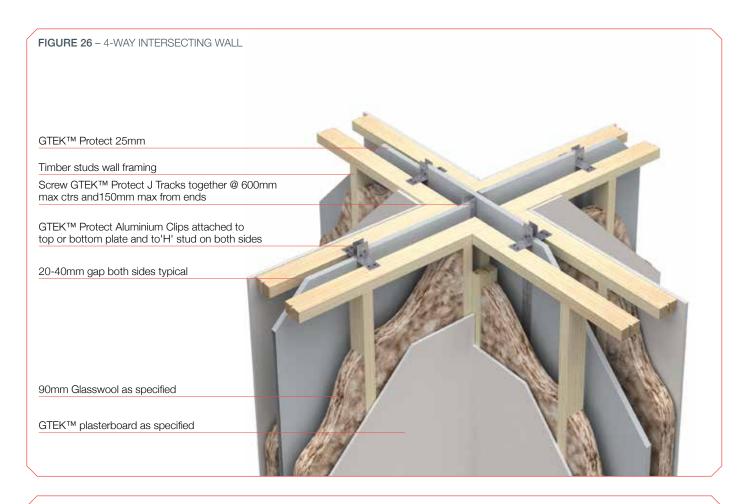


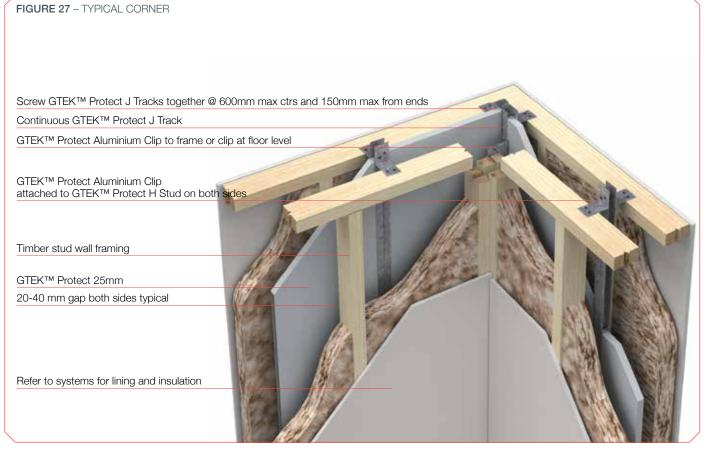


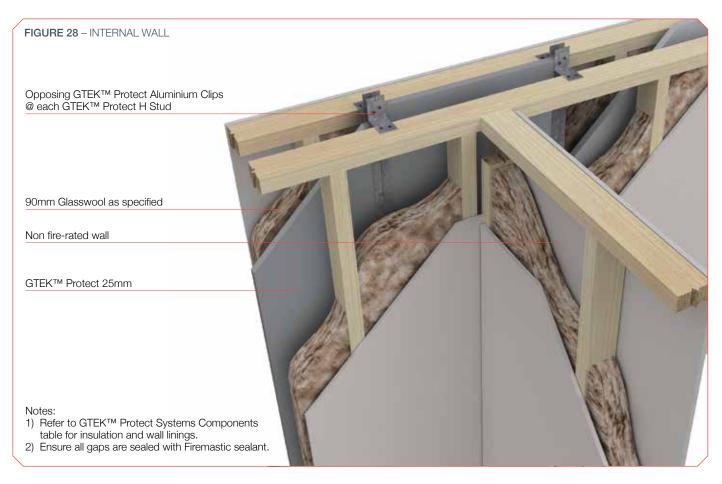


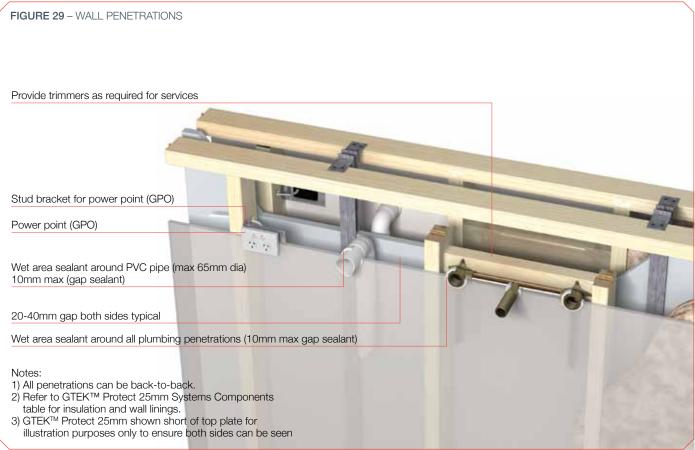




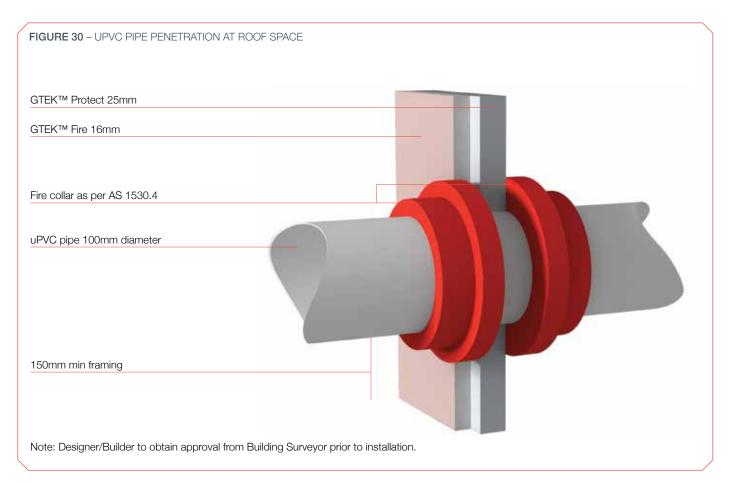


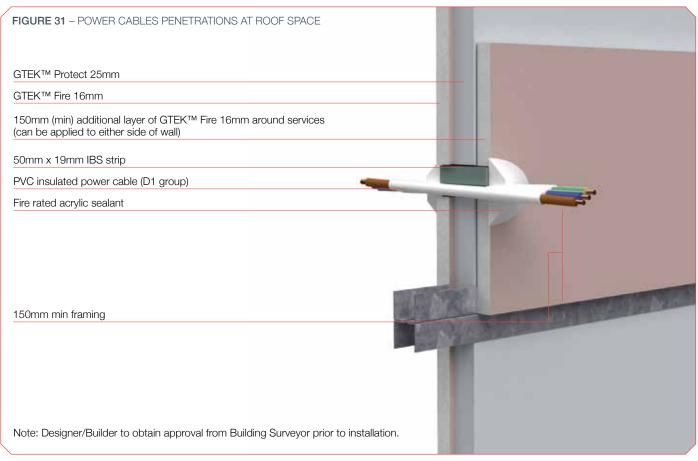


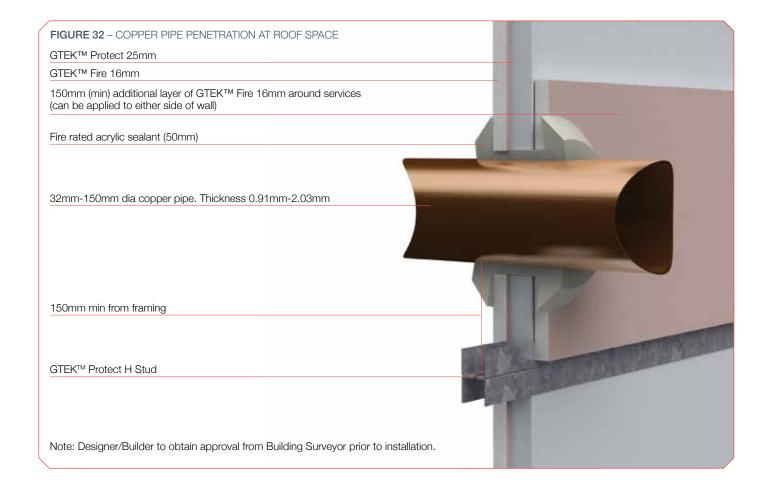










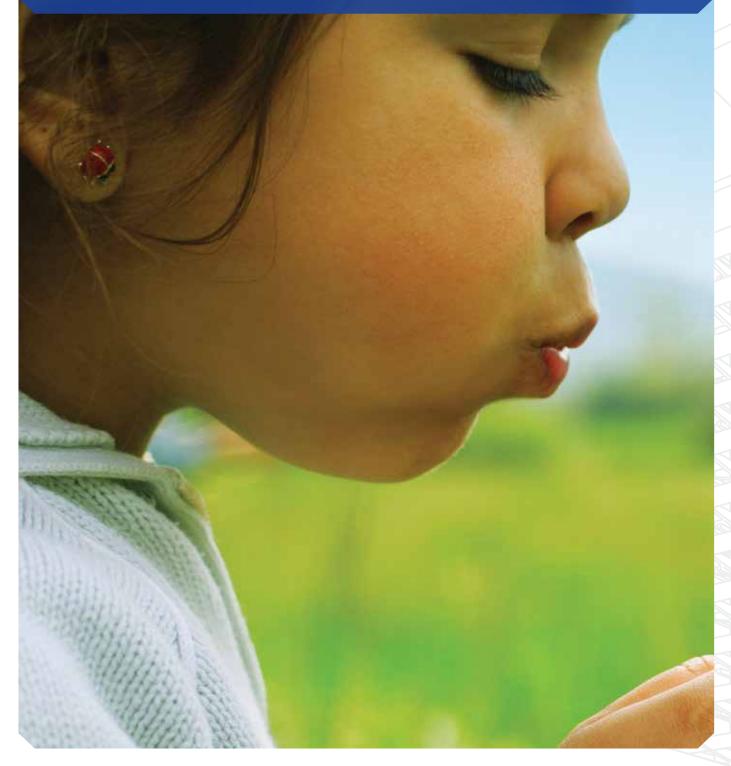


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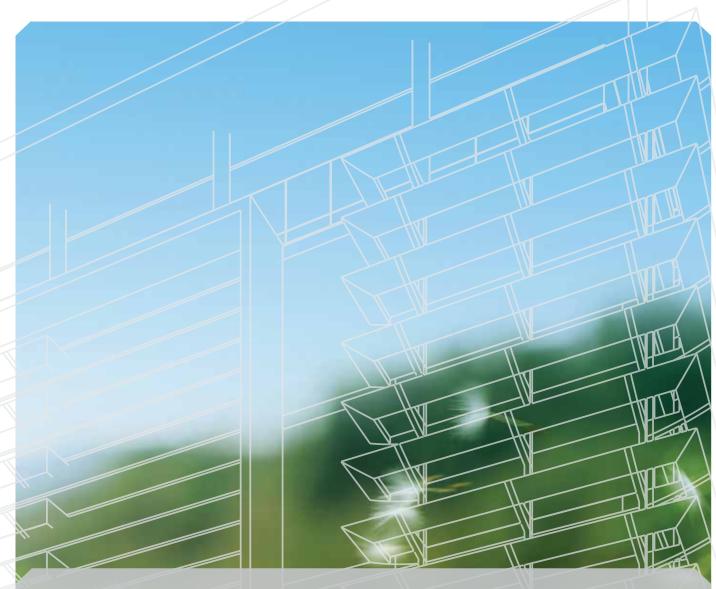
NOTES	



At BGC we care about the environment and now have a range of GECA Certified Plasterboard Products available. As part of our commitment to sustainability we are offering our Environmentally Certified GTEK™ range at no extra cost to you. So now you save money whilst together we save the environment.







BGC Plasterboard shares the general community concern for the environment and seeks to reduce its environmental footprint in all aspects of its operations. That means you can specify GTEK™ to help create you next green star rated home or project.

We use up to 15% recycled gypsum in our boards and we use 100% recycled paper lining front and back.

BGC Plasterboard has set prudent environmental targets for waste minimisation and energy and water use, and is an active participant in environmental reporting through the Energy Efficiency, Waterwise and Emissions reporting programs.

Through strict quality control systems, production waste is minimised and wastage is recycled back into new plasterboard.

Good Environmental Choice Australia is an environmental labelling program which aims to provide consumers with the knowledge that the product they are purchasing has met certain environmental performance standards which have been developed and assessed in line with International labelling standards.

Scientifically recognised benchmarks for environmental performance have been developed against which products and services are assessed and evaluated to determine whether the product or service should be awarded the Good Environmental Choice Label. GECA certification is recognised by the Green Building Council of Australia and may assist in achieving up to 3 Green Star points.

GTEK™ products have been certified by GECA which means that the products and their manufacturing environment have been evaluated and deemed to comply with the strict guidelines set by GECA

We're proud to wear the Good Environmental Choice label, it shows our products and manufacturing environment comply with GECA's strict guidelines.

Now 'Building it better with BGC' also means building a cleaner and more sustainable environment.



CONTACT

TO CONTACT YOUR NEAREST BGC STOCKIST, PLEASE CALL:

ADELAIDE TELEPHONE 08 8250 4962

BRISBANE TELEPHONE 07 3271 1711

MELBOURNE TELEPHONE 03 9392 9444

PERTH TELEPHONE 08 9374 2900

SYDNEY TELEPHONE 02 9771 9660

NEW ZEALAND TELEPHONE 0011 64 9273 1457

TECHNICAL HELP LINE 1300 652 242





GTEK™ PRODUCT RANGE

- ▶ GTEKTM Wall is an interior wall lining system where cost effectiveness and economy of effort is crucial.
- ▶ GTEK™ Curve flexible plasterboard enables the creative execution of curves on interior walls and ceilings.
- ► GTEK™ Ceiling is a 10mm plasterboard sheet designed specifically for ceiling use where joists are at 600mm.
- ▶ GTEK[™] Cornice adds exciting finishing touches to interior wall and ceiling joints in new builds and renovations.
- ➤ GTEKTM Fire is used in fire-rated systems, consisting of single or multiple layers of board.
- ► GTEKTM Fire & Wet Area is designed for use in wet areas governed by fire resistance limitations (FRLs).
- ▶ GTEK™ Wet Area is water-resistant plasterboard for walls in such wet areas as bathrooms, laundries, toilets and cleaning rooms.
- ▶ GTEK[™] Sound is high-density plasterboard specifically designed to reduce unwanted noise detectable through walls and ceilings.
- ► GTEKTM Impact is ideal for high-traffic areas where walls are subjected to regular stress.
- ▶ GTEK™ Total Plus offers marketleading fire, water, sound and impact resistance, together with GECA certification in recognition of high percentages of recycled materials.
- ➤ GTEKTM Protect System is one of Australia's newest separating wall systems providing design flexibility, simple construction and outstanding acoustic performance.

WARRANTY

We warrant that our products are free from defects caused by faulty manufacture or materials for a period of 15 years from the date of purchase. If you acquire any defective products, we will repair or replace them, supply equivalent replacement products or refund the purchase price within 30 days of receiving a valid claim subject to product inspection and confirmation of the existence of a defect by BGC. We will bear the cost of any such repair, replacement or refund.

This warranty is given by:

BGC PLASTERBOARD PTY LTD

Ground Floor, 290 Bushmead Rd, Hazelmere, WA 6055 Phone: (08) 9374 2900 Fax: (08) 9374 2901

To claim under this warranty, you must provide proof of purchase as a consumer and make a written claim (including any costs of claiming) to us at the address specified above within 30 days after the defect was reasonably apparent, or if the defect was reasonably apparent prior to installation, the claim must be made prior to installation. You may not claim under this warranty for loss or damage caused by:

- ▶ faulty or incorrect installation by non-BGC installers (BGC's installation procedures are at gtekplasterboard.com.au);
- ▶ failure to comply with the Building Code of Australia or any applicable legislation, regulations approvals and standards;
- products not made or supplied by BGC;
- abnormal use of the product; or
- normal wear and tear.

The benefits available under this warranty are in addition to other rights and remedies of the consumer under the law. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

