



**GTEK™ TOTAL PLUS**

- +1 FIRE RESISTANT
- +2 WATER RESISTANT
- +3 MOULD RESISTANT
- +4 SOUND RESISTANT
- +5 IMPACT RESISTANT
- +6 GECA CERTIFIED



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
- ▶ **AUSTRALIAN MADE** / All-Australian: closest available links between local manufacture and supply
- ▶ **SERVICE** / Vast distribution network assures best-in-class service delivery
- ▶ **QUALITY** / Independent testing accords with Australia's toughest build-quality accreditations
- ▶ **SYSTEMS** / Full compatibility with extensive BGC interior lining systems range

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TECHNOLOGY

SUSTAINABILITY

AUSTRALIAN MADE

SERVICE

QUALITY

SYSTEMS



## GTEK™ TOTAL PLUS

GTEK™ Total Plus offers market-leading fire, water, mould, sound and impact resistance, together with GECA certification in recognition of high percentages of recycled materials.



At least 11% of its gypsum and 100% of its paper liner (green in colour on the board face to help identification) is recycled, making GTEK™ Total Plus a complete solution for environmentally-aware design and build.

What's good about GTEK™ Total Plus:

- ▶ **Fire resistant:** use as substitute for 13mm GTEK™ Fire for same fire ratings
- ▶ **Water resistant:** installed according to GTEK™ Wet Area instructions complies with requirements from AS/NZ2588 Gypsum Plasterboard
- ▶ **Mould resistant:** significantly reduces mould growth
- ▶ **Sound resistant:** superior acoustic properties to GTEK™ Wall
- ▶ **Impact resistant:** core structure reinforced with glass fibre strand
- ▶ **GECA:** highest contribution of green points for plasterboard linings

PRODUCT INFORMATION

GTEK™ Total Plus is purpose designed as a complete plasterboard wall and lining system, which complies with the requirements of the Building Code of Australia (BCA). GTEK™ Total Plus has been tested by the CSIRO (Manufacturing & Infrastructure Technology) in accordance with AS 2588 Gypsum Plasterboard.

GTEK™ Total Plus is to be installed as detailed in AS 2589 'Gypsum Linings – Application and Finishes'.

Support framing must conform to the BCA and Australian Standards, be plumb, true and level, prior to the application of the plasterboard. Refer to AS2589 section 4.2.2.

GTEK™ Total Plus may be fixed to timber or CFS (Cold-Formed Steel) light-steel framing or masonry, using plasterboard screws, nails and or adhesive. Only screws or nails must be used for tiled areas and over existing lining or vapour barriers. Refer to AS2589 Sections 2.6 and 2.7.

EARLY FIRE HAZARD INDICES

GTEK™ has been tested by the NATA accredited AWTA for fire resistance in accordance with AS 1530.3; see Report Test Number: 7-518246-CN, April 2003.

- ▶ Ignitability Index - 13
- ▶ Spread of Flame Index - 0
- ▶ Heat Evolved Index - 1
- ▶ Smoke Developed Index - 3

FIRE RESISTANCE

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

TABLE 1 – SHEET SIZES AND WEIGHT

THICKNESS (mm)	MASS (kg/m <sup>2</sup> )	WIDTH (mm)	LENGTH (mm)
13	11.8	1200	3600
		1350	3600

DIMENSIONAL STABILITY

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

- ▶ Thermal coefficient of linear expansion (a) = 16.7 x 10<sup>-6</sup> /°C, measured unrestrained over the temperature range of 3°C - 32°C
- ▶ Hygrometric coefficient of expansion 6.5 x 10<sup>-6</sup> /%RH, measured unrestrained over the Relative Humidity (RH) range of 10% - 90%

TABLE 2 – PRODUCT SPECIFICATION

FIRE HAZARD	Group 1 material per BCA C1.10 Fire Hazard properties. Average specific extinction area 44m <sup>2</sup> /kg significantly lower than 250m <sup>2</sup> /kg as required by BCA spec C1.10a, clause 3(c).
COMBUSTIBILITY	Non-combustible in accordance with the BCA Section C1.12.
VOC'S	Less than 0.5mg/m <sup>3</sup> .
HAZARD	Classified as not hazardous.

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 = 0.05Km<sup>2</sup>/W
- 13mm plasterboard = 0.05Km<sup>2</sup>/W
- 16mm plasterboard = 0.06Km<sup>2</sup>/W

HANDLING & STORAGE

GTEK™ Total Plus should be stacked flat, up off the ground and supported on level, equally spaced (max 450mm) gluts.

Care should be taken to ensure edges of the GTEK™ Total Plus are not damaged when handling.

GTEK™ Total Plus should be delivered to site immediately prior to installation to reduce the risk of damage.

INSTALLATION

GTEK™ Total Plus is installed using the same method as standard plasterboard. Please refer to the GTEK™ Wall and Ceiling Solutions brochure for detailed installation instructions.

At least 11% of the gypsum contained within GTEK™ Total Plus has been recycled and GTEK™ Total Plus uses 100% recycled paper liner which is green in colour on the face of the board to assist with identification.

Please refer to GTEK™ Fire & Acoustic Guide for fire & acoustic installation information.

In both Fire & Wet Area applications mechanical fasteners only are to be used. The 1/3 fixing method is required in general areas.

GTEK™ Total Plus has been developed as a total lining solution. It is an ideal solution for the demands of the healthcare, education and hospitality industries.

#### FIRE RESISTANT

GTEK™ Total Plus can be used as a substitute for 13mm GTEK™ Fire in any system and will achieve the same fire ratings.

#### WATER RESISTANT

GTEK™ Total Plus, if installed in accordance with the GTEK™ Wet Area installation instructions, complies with the requirements from AS/NZ2588 Gypsum Plasterboard.

#### MOULD RESISTANT

GTEK™ Total Plus significantly reduces mould growth in high humid areas and is perfect for use in projects focussed with health and wellbeing. GTEK™ Total Plus has been tested in accordance with ASTM G-21-Determining Resistance of Synthetic Polymeric Materials to Fungi.

#### SOUND RESISTANT

GTEK™ Total Plus has superior acoustic properties to GTEK™ Wall.

#### IMPACT RESISTANT

GTEK™ Total Plus is formulated with a core structure reinforced with glass fibre strand and encased with heavy duty paper liner to make it resistant to both hard body and soft body impact.

#### GECA ACCREDITED

GTEK™ Total Plus has at least 11% recycled gypsum and uses 100% recycled paper liner. It has been certified by GECA and achieves the highest contribution of green points for plasterboard linings.

WALL SYSTEMS – FIRE & ACOUSTIC INFORMATION



**STEEL STUDS AT 600mm MAX CENTRES**

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

**E5S001**

FRL	STUD DEPTH mm	51	64	76	92	150
	CAVITY INFILL	Rw/Rw+Ctr				
-/60/60	Nil	36/30	37/30	38/31	39/32	41/33
	9kg - 50mm Polyester	43/32	44/33	45/36	46/37	48/41
	11kg - 75mm Polyester	43/32	44/33	45/36	46/37	48/41
	30kg - 75mm Polyester	44/33	45/35	46/38	47/38	49/43
	<b>WALL THICKNESS mm</b>	<b>73</b>	<b>86</b>	<b>98</b>	<b>114</b>	<b>172</b>



**STEEL STUDS AT 600mm MAX CENTRES**

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

**E5S002**

FRL	STUD DEPTH mm	51	64	76	92	150
	CAVITY INFILL	Rw/Rw+Ctr				
-/60/60	Nil	40/34	41/34	41/35	42/36	44/38
	9kg - 50mm Polyester	47/36	49/39	50/42	51/42	52/45
	11kg - 75mm Polyester	47/36	49/39	50/42	51/42	52/45
	30kg - 75mm Polyester	47/37	49/40	50/42	52/43	53/45
	<b>WALL THICKNESS mm</b>	<b>90</b>	<b>103</b>	<b>115</b>	<b>131</b>	<b>189</b>



WALL SYSTEMS – FIRE & ACOUSTIC INFORMATION



**STEEL STUDS AT 600mm MAX CENTRES**

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

**E5S003**

FRL	STUD DEPTH mm	51	64	76	92	150
	CAVITY INFILL	Rw/Rw+Ctr				
-/120/120	Nil	45/38	47/40	47/39	48/40	50/42
	9kg - 50mm Polyester	53/44	54/46	55/47	55/48	56/49
	11kg - 75mm Polyester	53/44	54/46	55/47	55/48	56/49
	30kg - 75mm Polyester	54/45	55/47	55/48	56/49	56/49
	<b>WALL THICKNESS mm</b>	<b>103</b>	<b>116</b>	<b>128</b>	<b>144</b>	<b>202</b>



**STEEL STUDS AT 600mm MAX CENTRES**

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

**E5SD001**

FRL	STUD DEPTH mm	148	172	204	320
	CAVITY INFILL	Rw/Rw+Ctr			
-/120/120 90/90/90	Nil	48/40	49/41	50/41	53/43
	9kg - 50mm Insulation - 1 side	60/52	61/53	61/54	62/56
	9kg - 50mm Insulation - 2 sides	61/52	62/53	62/54	63/56
	11kg - 75mm Insulation - 1 side	60/52	61/53	61/54	62/56
	11kg - 75mm Insulation - 2 sides	61/52	62/53	62/54	63/56
	35kg - 75mm Insulation - 1 side	61/52	62/53	62/54	63/56
	35kg - 75mm Insulation - 2 sides	63/56	64/57	64/57	65/58
	<b>WALL THICKNESS mm</b>	<b>200</b>	<b>224</b>	<b>256</b>	<b>372</b>

WALL SYSTEMS – FIRE & ACOUSTIC INFORMATION



**STEEL STUDS AT 600mm MAX CENTRES**

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

**E5T001**

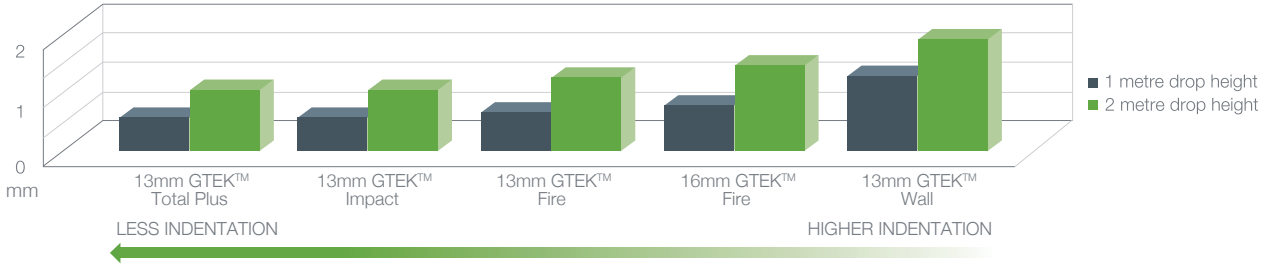
FRL	STUD DEPTH mm	70	90	120	140
	CAVITY INFILL	Rw/Rw+Ctr			
- /60/60 60/60/60	Nil	36/31	37/31	38/33	38/33
	9kg - 50mm Polyester	40/34	40/36	40/37	40/37
	11kg - 75mm Polyester	40/34	40/36	40/37	40/37
	30kg - 75mm Polyester	40/34	41/36	41/37	41/38
	<b>WALL THICKNESS mm</b>	<b>77</b>	<b>116</b>	<b>146</b>	<b>166</b>



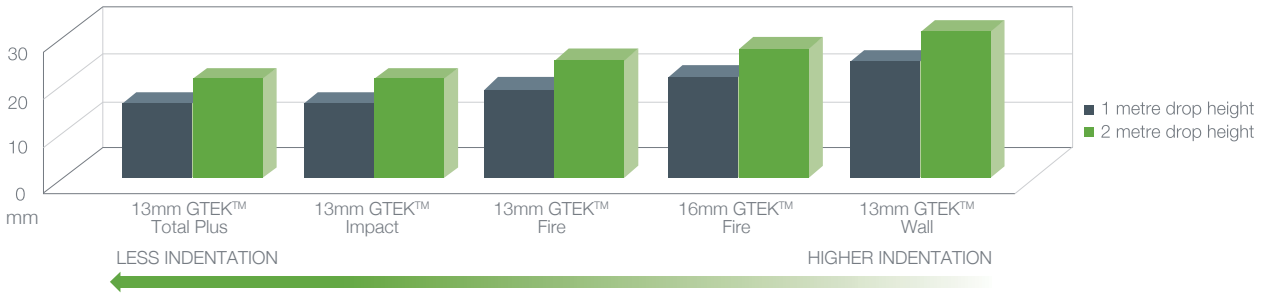
IMPACT INFORMATION

**GTEK™ TOTAL PLUS IS A SPECIALLY FORMULATED PLASTERBOARD THAT FEATURES A UNIQUE CORE STRUCTURE AND A HEAVIER PAPER LINER. THIS MAKES GTEK™ TOTAL PLUS STRONGER AND TOUGHER THAN REGULAR PLASTERBOARD AND IDEAL FOR HIGH TRAFFIC AREAS WHERE WALLS ARE SUBJECT TO IMPACT.**

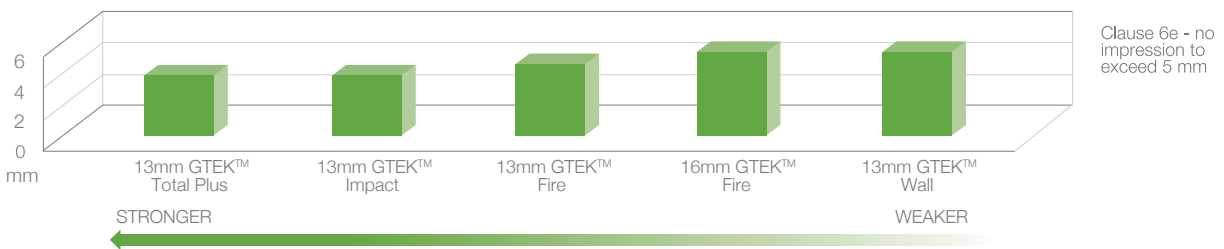
**HARD BODY INDENTATION DEPTH (MM) FROM FALLING HARD BODY PROJECTILE**  
 MORE IMPACT RESISTANT - CAUSING LESS INDENT. THE SMALLER THE NUMBER, THE BETTER THE PERFORMANCE OF THE PRODUCT.



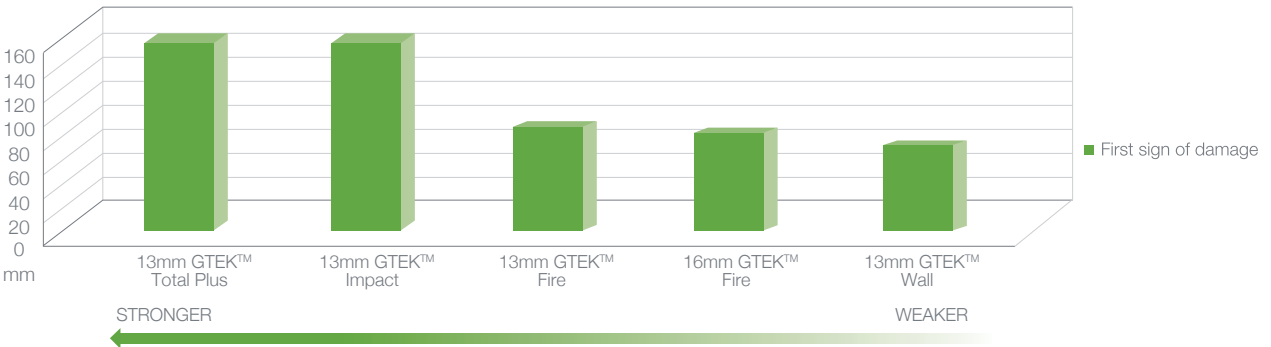
**HARD BODY INDENTATION DEPTH (MM) FROM FALLING HARD BODY PROJECTILE**  
 THE SMALLER THE NUMBER, THE BETTER THE PERFORMANCE OF THE PRODUCT.



**BCA SURFACE INDENTATION CLAUSE 5A AND CRITERION OF CLAUSE 6E - 150 NEWTON FORCE APPLIED**  
 150 NEWTON FORCE APPLIED AND SURFACE INDENTATION MEASURED IN MM. THE SMALLER THE NUMBER, THE BETTER THE PERFORMANCE OF THE PRODUCT.



**FIRST SIGN OF DAMAGE - SOFT BODY (27.2KG) DROPPED ONTO BOARD FROM VARIOUS HEIGHTS (MM)**  
 THE HIGHER THE NUMBER, THE BETTER THE PERFORMANCE OF THE PRODUCT.



# ENVIRONMENTAL CHOICE AUSTRALIA LICENCE

Good Environmental Choice Australia Limited (GECA) manages a Type 1 Ecolabel program in accordance to ISO 14024 "Environmental Labels and Declarations" and is the owner of the Environmental Choice Australia Ecolabel.

A licence for the use of the Ecolabel is granted to a product where it has been verified by an independent conformity assessment body that the product meets the environmental performance criteria of a GECA standard.

**Licence number:** BGC-2014

**Issued to:** BGC Plasterboard

**Issue date:** 20 March 2014

**Licencee since:** 14 December 2009

**Certified products:**

GTEK™ Ceiling

GTEK™ Impact

GTEK™ Wall

GTEK™ Curve

GTEK™ Sound

GTEK™ Wet Area

GTEK™ Fire

GTEK™ Total

GTEK™ Fire and Wet Area

GTEK™ Total Plus

**GECA standard:** GECA 04-2011 v2 Panel Boards – GBCA Recognised Level A

**Address of head office:** 290 Bushmead Road  
HAZELMERE WA 6055

**Conformance assessment by:** BSI Group

**Licence expiry date:** 17 March 2017



**Barry Gordon**

Chief Operating Officer

Suite G01, 15 Belvoir Street, SURRY HILLS NSW 2010

P: 02 9699 2850

ABN: 27 118 766 153



**Good Environmental Choice Australia**

*Transforming the actions of business & consumers to drive a substantial increase in the sustainability of consumption*

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 your 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



Quality  
ISO 9001  
SAI GLOBAL



BGC-2014  
GECA 04-2011 v2  
Panel Boards

## GTEK™ PRODUCT RANGE

- ▶ **GTEK™ Wall** is an interior wall lining system where cost effectiveness and economy of effort are 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™ Fire** is used in fire-rated systems, consisting of single or multiple layers of board.
- ▶ **GTEK™ 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.
- ▶ **GTEK™ Impact** is ideal for high-traffic areas where walls are subjected to regular stress.
- ▶ **GTEK™ Total Plus** offers market-leading fire, water, sound and impact resistance, together with GECA certification in recognition of high percentages of recycled materials.
- ▶ **GTEK™ Cornice** adds exciting finishing touches to interior wall and ceiling joints in new builds and renovations.

## 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](http://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.