gyproc
SAINT-GOBAIN

DuraLine® PLUS

A high impact resistant gypsum plasterboard with a high density core that contains glass fibres and fumed silica, which is encased and family bonded to strong paper liners.

SINGAPORE
**GREEN
BUILDING
PRODUCT**
SGBC
✓✓✓✓
LEADER
SGBP 3368

DuraLine® PLUS is a high impact resistant gypsum plasterboard with a high density core that contains glass fibres and fumed silica, which is encased and family bonded to strong paper liners.

Used in Gyproc Gypwall® ROBUST system, DuraLine® PLUS is universally used for walls that require impact resistance and a durable surface, such as residential, schools and recreational buildings, hospitals, and other institutional buildings, public circulation areas of commercial buildings, hotels, and industrial premises.

DuraLine® PLUS is also available in a moisture-resistant variant known as DuraLine® MR.

CHARACTERISTICS
The gypsum core consists of a higher density mass core with glass fibre and fumed silica, and is encased and firmly bonded to strong paper liners. Achieves a severe duty rating in a single boarded partition system and satisfies BS 5234: Part 2 for strength and robustness requirements.

RECOMMENDED USE
• Used for wall systems that require impact resistance.

PRODUCT FORMAT

Thickness	16mm	19mm
Nominal Weight	14.50kg/m²	17.10kg/m²
Nominal Sheet Size*	1220mm x 2440mm	
Edge Type	Recessed Edge	
	RE	

FIRE RATING
• Non-combustible in accordance to BS 476: Part 4
• Low fire propagation in accordance to BS 476: Part 6
• Class 1 surface spread of flame in accordance to BS 476: Part 7
• Classified as Class 0 material in accordance to BS 476: Part 6 & 7
• GypWall system able to provide up to 4 hours fire rating in accordance to BS 476: Part 22

MANUFACTURING SPECIFICATIONS
• In compliance with ASTM C1396M and BS EN 520

HANDLING AND WORKABILITY
• Crack-free
• Seamless and smooth finishing

THERMAL INSULATION
• Recommended design thermal conductivity, k-value = 0.18 W/m.K

HEALTH AND ENVIRONMENTAL CONTRIBUTIONS
• Made from 100% natural gypsum
• Recyclable material, hence environmentally friendly and certified with Green Product Certification Scheme
• Does not produce toxic fumes or hazardous substances that are harmful to health
• Product is manufactured in a facility certified to standards of ISO 14001, ISO 45001

QUALITY ASSURANCE
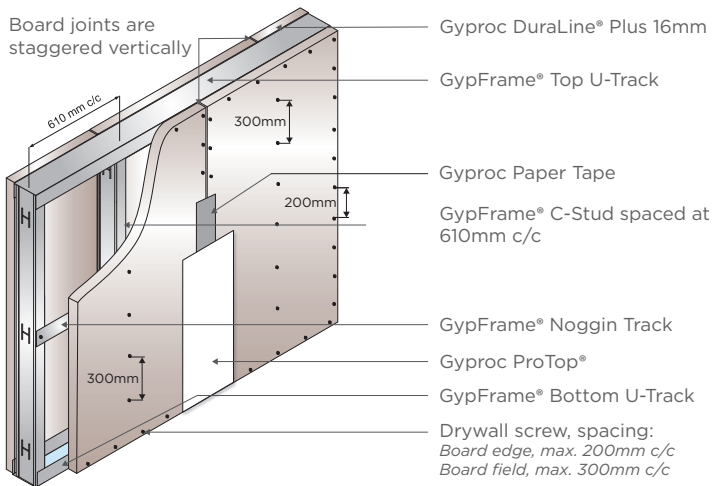• Product is manufactured in a facility certified to ISO 9001

FIXING CAPABILITY • ROBUSTNESS GUARANTEE • FIRE PROTECTION • ENERGY EFFICIENCY • ENVIRONMENTALLY FRIENDLY • PRODUCTIVITY GAIN

STABILITY • RECYCLING CERTIFIED • SMOOTH MANUAL FINISH • INSPIRING SPACES • SUPERIOR AESTHETIC & DESIGN
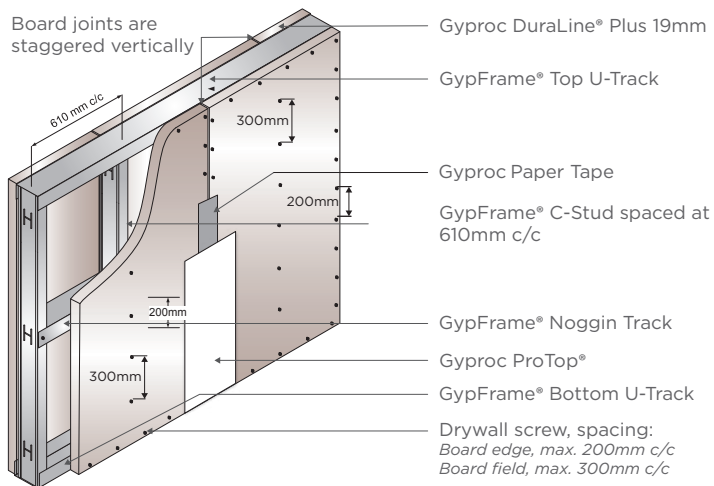
Gyproc ROBUST Wall System is a specially designed impact resistant partition system that offers superior performance alternative to traditional brick walls. The highly durable internal partition system is ideal for homes and high traffic commercial areas where strong and robust walls are required.
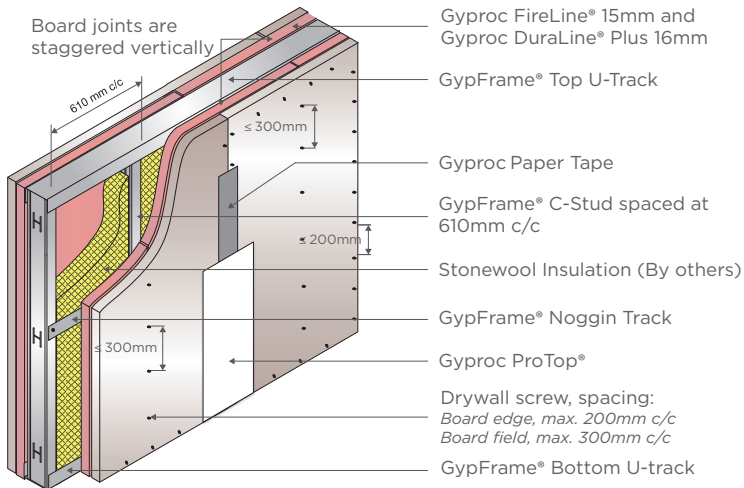
Gyproc ROBUST Wall System *(1 Hour Fire Rated)*

Board joints are staggered vertically

610 mm c/c

300mm

200mm

300mm

Gyproc DuraLine® Plus 16mm

GypFrame® Top U-Track

Gyproc Paper Tape

GypFrame® C-Stud spaced at 610mm c/c

GypFrame® Noggin Track

Gyproc ProTop®

GypFrame® Bottom U-Track

Drywall screw, spacing:
Board edge, max. 200mm c/c
Board field, max. 300mm c/c

GypWall® ROBUST 16DP.1HR

Parameters	Values
Duty Rating (BS 5234:Part 2)	Severe
Fire Rating (BS 476:Part 22)	1 Hour

Board joints are staggered vertically

610 mm c/c

300mm

200mm

200mm

300mm

Gyproc DuraLine® Plus 19mm

GypFrame® Top U-Track

Gyproc Paper Tape

GypFrame® C-Stud spaced at 610mm c/c

GypFrame® Noggin Track

Gyproc ProTop®

GypFrame® Bottom U-Track

Drywall screw, spacing:
Board edge, max. 200mm c/c
Board field, max. 300mm c/c

GypWall® ROBUST 19DP.1HR

Parameters	Values
Duty Rating (BS 5234:Part 2)	Severe
Fire Rating (BS 476:Part 22)	1 Hour

Gyproc ROBUST Wall System *(2 Hour Fire Rated)*

Board joints are staggered vertically

610 mm c/c

≤ 300mm

≤ 200mm

≤ 300mm

Gyproc FireLine® 15mm and Gyproc DuraLine® Plus 16mm

GypFrame® Top U-Track

Gyproc Paper Tape

GypFrame® C-Stud spaced at 610mm c/c

Stonewool Insulation (By others)

GypFrame® Noggin Track

Gyproc ProTop®

Drywall screw, spacing:
Board edge, max. 200mm c/c
Board field, max. 300mm c/c

GypFrame® Bottom U-track

GypWall® ROBUST 15FL16DP.SW.2HR

Parameters	Values
Duty Rating (BS 5234:Part 2)	Severe
Fire Rating (BS 476:Part 22)	2 Hour

Board joints are staggered vertically

610 mm c/c

≤ 300mm

≤ 200mm

≤ 300mm

Gyproc BaseLine® 12.5mm and Gyproc DuraLine® Plus 19mm

GypFrame® Top U-Track

Gyproc Paper Tape

GypFrame® C-Stud spaced at 610mm c/c

Stonewool Insulation (By others)

GypFrame® Noggin Track

Gyproc ProTop®

Drywall screw, spacing:
Board edge, max. 200mm c/c
Board field, max. 300mm c/c

GypFrame® Bottom U-track
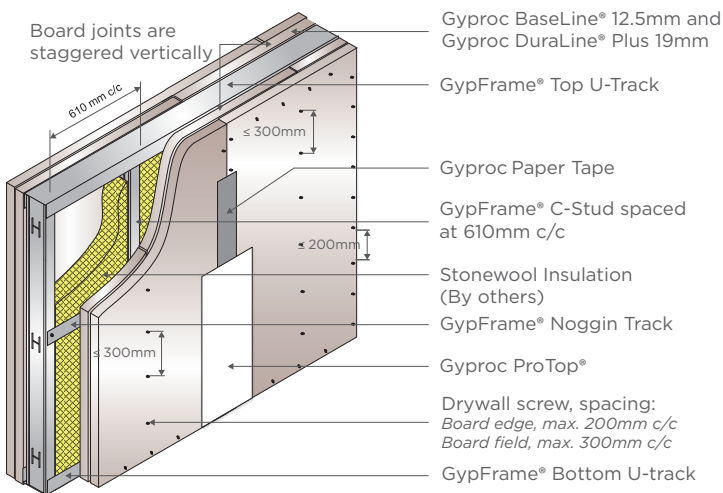
GypWall® ROBUST BL19DP.SW.2HR

Parameters	Values
Duty Rating (BS 5234:Part 2)	Severe
Fire Rating (BS 476:Part 22)	2 Hour

Gyproc® ROBUST Wall System *(4 Hour Fire Rated)*

GypFrame® C-Stud spaced at 610mm c/c

610 mm c/c

300mm

200mm

3 layers of Gyproc DuraLine® Plus 19mm

GypFrame® Top U-Track

Drywall screw, spacing:
Board edge, max. 200mm c/c
Board field, max. 300mm c/c

GypFrame® Noggin Track

Gyproc Paper Tape

Gyproc ProTop®

GypFrame® Bottom U-track
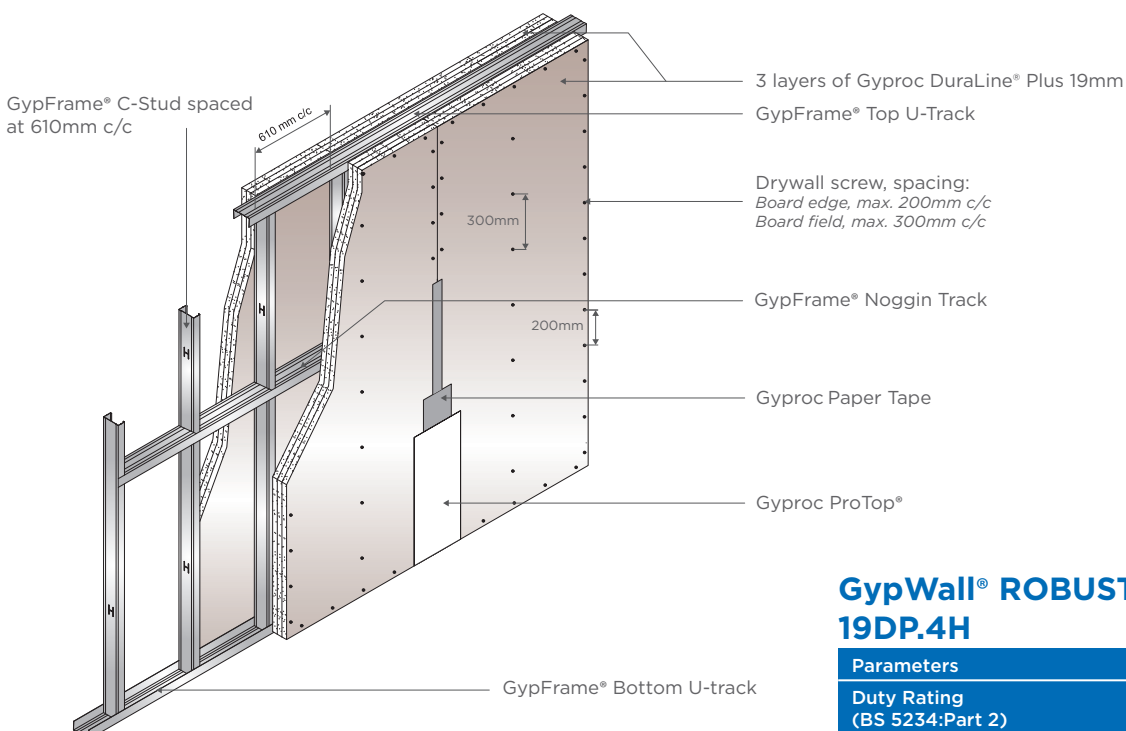
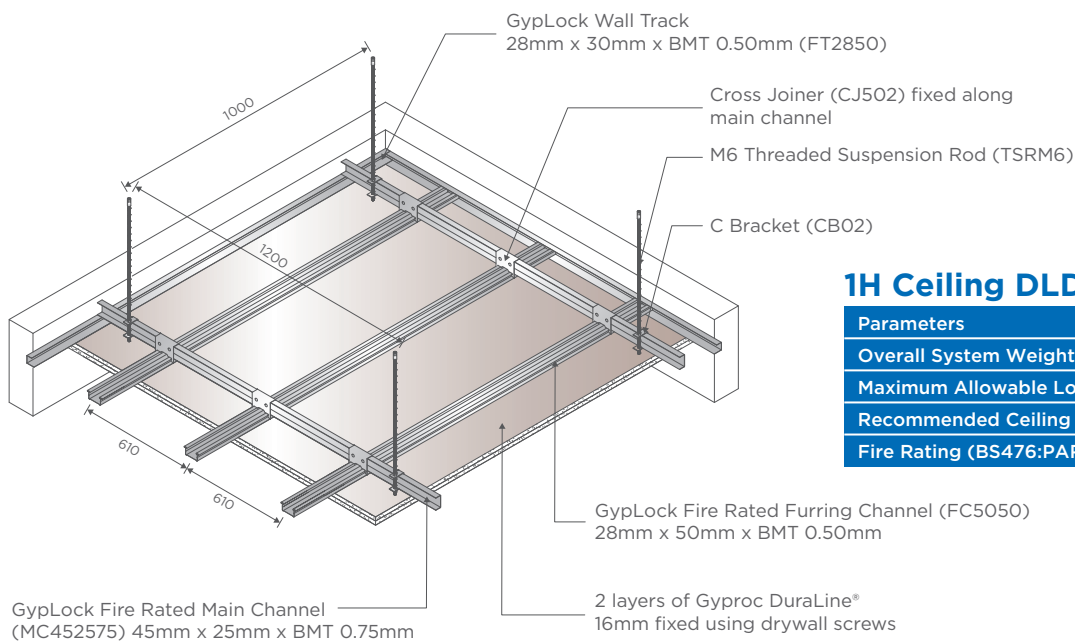## GypWall® ROBUST 19DP.4H

Parameters	Values
Duty Rating (BS 5234:Part 2)	Severe
Fire Rating (BS 476:Part 22)	4 Hour

Gyproc Fire Rated Ceiling System

One of the many Gyproc fire rated ceiling systems that uses DuraLine® Plus, provides up to 1 hour fire rating tested and certified by local authorities.

Gyproc Fire Rated Ceiling System *(1 Hour Fire Rated)*

GypLock Wall Track
28mm x 30mm x BMT 0.50mm (FT2850)

Cross Joiner (CJ502) fixed along main channel

M6 Threaded Suspension Rod (TSRM6)

C Bracket (CB02)

GypLock Fire Rated Furring Channel (FC5050)
28mm x 50mm x BMT 0.50mm

2 layers of Gyproc DuraLine®
16mm fixed using drywall screws

GypLock Fire Rated Main Channel
(MC452575) 45mm x 25mm x BMT 0.75mm

1H Ceiling DLDP16

Parameters	Values
Overall System Weight	32.40kg/m^2
Maximum Allowable Loads	3kg/m^2
Recommended Ceiling Drop	1.5m up to 3m
Fire Rating (BS476:PART22)	1 Hour

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