

## GIB TOUGHLINE® SYSTEMS

Day to day wear and tear affects the interior of all buildings to differing degrees. The rate at which wear and tear occurs is typically dependent upon:

- The volume and type of traffic within the building
- The materials used to construct and finish the interior

Most commonly, wear and tear in commercial interiors occurs on walls, doors and floors, resulting in marks, scratches, dents or holes.

Wall finishes are, by their very nature, much more difficult to replace or repair than floor coverings. Therefore, it is important to include the appropriate components at design and construction stages.

GIB Toughline® in association with the correct corner detailing and the right finishing and paint systems will provide interiors that resist marks, scratches and dents caused by impact or abrasion. Any damage will be significantly less than to other plasterboards.

Where damage does occur, repair of GIB Toughline® is quick and easy. Refer to page 89 of this publication.

GIB Toughline® is a high density plasterboard reinforced with a continuous fibreglass mesh inside the gypsum core. It is significantly stronger and harder than GIB® Standard plasterboard.

13mm GIB Toughline® has been specifically developed as a wall lining for areas of buildings where increased resistance to holes and dents is required. It is particularly useful in high traffic areas that may be susceptible to damage from light trolleys, commercial vacuum cleaners, baggage handling and so on.

### **Examples of such areas are:**

**Schools:** Hallways/corridors, recreational rooms, classrooms

**Hospitals:** Hallways/corridors, recreational rooms, wards and other public areas

**Hotels and Motels:** Hallways/corridors, recreational rooms and other public areas

**Homes:** Stairwells, garages, hallways, rumpus rooms

### **Benefits**

- Greater resistance to scratches, abrasion, dents and holes
- Reduced costs of maintenance and repairs
- Interiors are easier to repair should damage occur
- Superior fire resistance, noise control and bracing performance
- Traditional drywall installation and finish

## Lining Performance

Lining	Dents Depth of 500g steel ball indentation at a drop height of 3.2m	Holes Energy required to cause wall failure
13mm GIB® Standard (benchmark)	6.7mm	120 Joules
13mm GIB Toughline®	3.2mm	284 Joules

**Note:** Refer to paint manufacturer for abrasion resistant finishes.

### Framing and Lining Installation

Timber Framed Walls - 95 x 35mm minimum studs at 600mm centres.

Light Gauge Steel Frame - As designated by supplier/manufacturer.

Otherwise framing and lining installation is conventional and as given on pages 31-34 of this publication. If GIB Toughline® is being used in a bracing application it must be fixed as per the GIB Braceline® instructions.

### Trims

GIB® Goldline™ Bullnose or square trims help reduce cracking, chipping and peeling by providing a papercoated surface for better compound and paint adhesion. The rounded corner of the bullnose trim performs better in high impact areas.

GIB Ultraflex® is ideal for reducing impact damage to external corners

### Jointing

See jointing instructions page 75.

Due to the risk of higher wear and tear, harder finishing compounds such as GIB Plus 4® or GIB ProMix® All Purpose are recommended over a base of GIB Tradeset® or GIB MaxSet®

### Finishing

To ensure the performance of the final surface finish, a suitable paint system must be selected which is capable of withstanding the expected wear and tear.