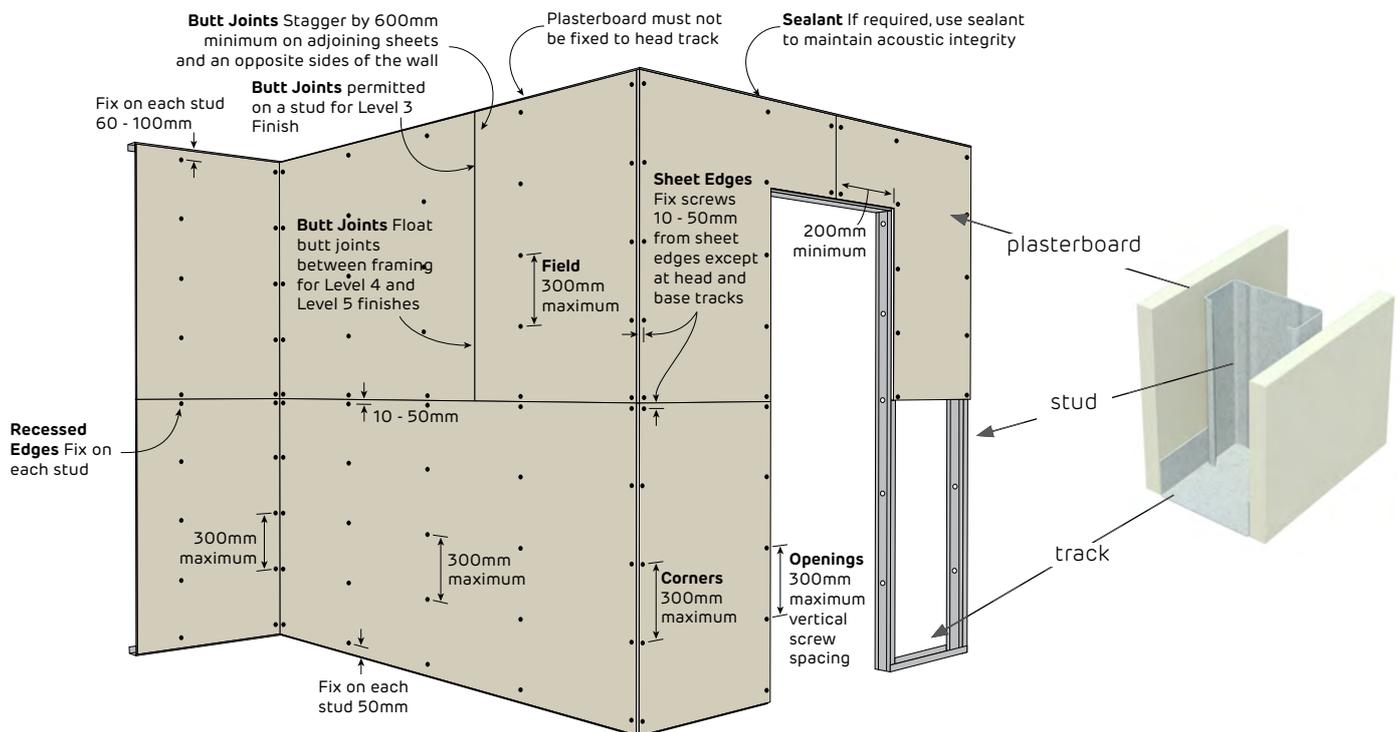# design for
disassembly

Siniat's interior linings may be disassembled for recycling at end of life.

This can include office fit-outs, retail spaces such as shop fittings, multi-residential and public space areas subject to redesign due to changing needs, such as museum or art gallery spaces.

Any plasterboard wall or ceiling system can be disassembled for recycling of the plasterboard materials used. Commercial interior partitions are typically constructed from light duty zinc plated steel framing, clad with plasterboard on both sides and fixed with zinc plated steel fasteners to the framing. Plasterboard is finished using compounds, sanding and finally painting.

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figure 1. typical plasterboard partition

Left: installation details
Right: partition cross section

Butt Joints Stagger by 600mm minimum on adjoining sheets and an opposite sides of the wall

Plasterboard must not be fixed to head track

Sealant If required, use sealant to maintain acoustic integrity

Fix on each stud 60 - 100mm

Butt Joints permitted on a stud for Level 3 Finish

Butt Joints Float butt joints between framing for Level 4 and Level 5 finishes

Field 300mm maximum

Sheet Edges Fix screws 10 - 50mm from sheet edges except at head and base tracks

200mm minimum

plasterboard

10 - 50mm

Recessed Edges Fix on each stud

stud

300mm maximum

300mm maximum

Corners 300mm maximum

Openings 300mm maximum vertical screw spacing

track

Fix on each stud 50mm

disassembly procedure

Plasterboard and steel framing separated using this procedure can be collected and is suitable for 100% recycling.

step one

Make a small hole in the face of the plasterboard using a hammer. Pull the plasterboard from the frame or gently lever it away from the frame with a pinch bar. Stack plasterboard to one side.

step two

Remove steel studs (still containing the fasteners) from the top and bottom tracks by simply twisting the stud around its axis and stack them to one side.

step three

Remove top and bottom tracks by either unscrewing the fasteners unattaching them from the building, or levering them free by using a pinch bar. Stack these with the studs.
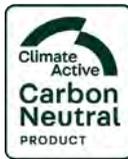
All Siniat products have been developed to meet the specific needs of the Australian market. Products manufactured in Australia under a management system certified as complying with AS/NZS ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 and meet the requirements of AS/NZS 2588, Gypsum Plasterboard.

The following Siniat products have been independently certified by Global GreenTag to GreenRate Level A: **masta**shield, **fire**shield, **fire**shield h, **sound**shield, **water**shield, **span**shield, **multi**shield, **curve**shield, **opal**, **tru**rock and *tru*rock HD. Compliance certificates are available on siniat.com.au.

A range of Siniat plasterboard and metal products are available on the Siniat Carbon Neutral Opt-In program to help you meet your sustainability goals. Visit siniat.com.au to find out more.

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warranty
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