

DESIGN FOR DISASSEMBLY

Knauf'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.

Disassembly procedure

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

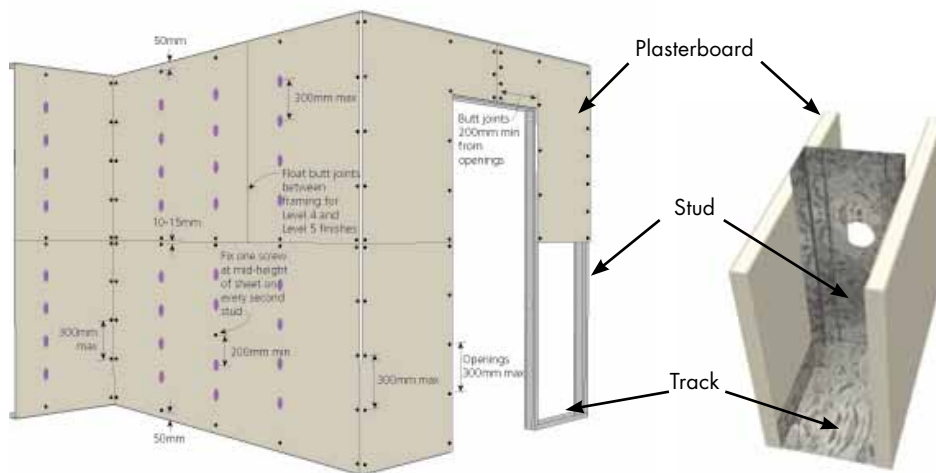


Figure 1. Typical plasterboard partition

Left: installation details
Right: partition cross section

Step 1

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 2

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 3

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.