

# Conditioning & Fixing Instructions

## I Interior Applications

### Description

440 PINnacle™ and FR PINnacle™ are Homasote's velvet textured museum-grade interior panels that have the pin retention and durability of Homasote with a new elegance that does not require additional finishing or edge treatments. These versatile panels are popular with schools, hospitals, museums, the display industry, and architectural designers.

### Sizes (Nominal):

	440 PINnacle	FR PINnacle Class 1: BS 476-7
<b>Thickness</b>	9mm	9mm
<b>Sizes</b>	2440mm x 1220mm	2440mm x 1220mm
<b>Weight</b>	14 kg/panel	16 kg/panel
<b>Edge Treatment</b>	square	square

Other sizes and thicknesses are available upon request

### Packaging, Storage & Protection

Panels should be kept in original packages, stored in a flat, dry place indoors or on a raised platform and protected from weather damage and soiling at all times.

### General Requirements

Temperature and humidity conditions closely approximating those which will exist when building is occupied must be maintained before, during, and after the application of all PINnacle panels.

Installation must not be made when building is excessively cold, hot, and/or damp.

PINnacle panels must be removed from protective packaging not less than 24 hours prior to application and placed singly and vertically around walls exposed to environmental temperature and humidity conditions. During installation, a 3mm expansion gap must be allowed between adjoining panels. Allow 6mm gaps at floor, ceiling, and around window and doorframes, etc. Panel edges must be supported at all times.

#### A) INSTALLATION TO TIMBER OR STUD FRAMING

1. Vertical timber framing not to exceed 450mm centers.
2. Apply a 9mm bead adhesive to framing in accordance with the adhesive manufacturer's recommendations. A double bead of adhesive is necessary on framing where adjoining panels fall. Ensure all panel edges fall on framing.
3. Apply PINnacle panels to adhesive and framing, applying hand pressure where adhesive is located to insure positive contact; screw or nail panels at maximum 600mm centres along edges and 600mm centres along all intermediate framing. Screws or nails should be of sufficient length to penetrate 19mm into framing. Position screws or nails 9mm from edge of panels. Finishing screws may be used and left exposed.

**NOTE:** If adhesive is omitted, screw or nail PINnacle panels at maximum 150mm centres along all edges and 300mm centres along intermediate framing.



## B) INSTALLATION TO SMOOTH BACKGROUNDS

1. Framing not to exceed 450mm centers.
2. Apply adhesive to back of the panels in 9mm beads at 400mm centres, applying adhesive at least 19mm from edge. Advice from adhesive manufacturers should be sought prior to installation of PINnacle panels.
3. Panels must be aligned such that panel edges fall on framing behind smooth background. Panels must be fastened to framing behind smooth background or fixed with screws and suitable plugs.
4. Apply PINnacle panels to smooth background, applying hand pressure where adhesive is located to insure positive contact; screw at 600mm centres along edges and 600mm centres along all intermediate framing. Screws or nails should be of sufficient length to penetrate 19mm into framing behind smooth background. Position screws or nails 9mm from edge of panels. Finishing screws may be used and left exposed.

**NOTE:** If adhesive is omitted, screw or nail panels 150mm o.c. along all edges and 300mm o.c. along intermediate framing.



## Painting PINnacle Panels

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PINnacle panels may be finished with conventional paints and stains. PINnacle panels may also be finished with dye or a wood stain. Consult paint, dye, or wood stain manufacturer for applications to wood fiberboard. FR PINnacle must be finished with a paint, dye, or wood stain that will not affect the fire rating.

**NOTE:** It is recommended that a small quantity of paint, dye, or wood stain be applied to a sample of PINnacle to assure satisfaction of color and texture prior to finishing larger panels.

## Cutting PINnacle Panels

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Cuts can easily be made by either hand or power sawing. Always use a fine tooth saw whether hand or power. When cutting the panels, always cut from finished side. Small cuts (electric boxes, outlets, etc.) can be readily made with several passes of a sharp utility knife.

## Panel Maintenance

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To prevent overall soiling, regular vacuuming or light brushing to remove dust and grime is recommended. Lightly sanding the PINnacle panels with fine glass paper can be used to remove finger marks from the surface and for general cleaning.