

# Installation Instructions

## I Interior Applications

### Description

440 PINnacle™ and PINnacle N.C.F.R.® 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	PINnacle N.C.F.R. Class A
<b>Thickness</b>	3/8" 9mm	3/8" 9mm
<b>Sizes</b>	4' x 8' 2440mm x 1220mm	4' x 8' 2440mm x 1220mm
<b>Weight</b>	31 lbs. 14 kg/panel	35 lbs. 16 kg/panel
<b>Edge Treatment</b>	square	square

Other sizes and thicknesses are available upon request

*1/2" thick special-size panels available to order.*

### 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 exposed to environmental temperature and humidity conditions.

During installation, a 1/8" expansion gap must be allowed between adjoining panels. Allow 1/4" 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 wood framing not to exceed 16" o.c.
2. Apply a 3/8" bead of 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 24" centers along edges and 24" centers along all intermediate framing. Screws or nails should be of sufficient length to penetrate 3/4" into framing. Position screws or nails 3/8" from edge of panels. Finishing screws may be used and left exposed.

**NOTE:** If adhesive is omitted, screw or nail PINnacle panels at maximum 6" centers along all edges and 12" centers along intermediate framing.



## B) INSTALLATION TO SMOOTH BACKGROUNDS

1. Framing not to exceed 18" centers.
2. Apply adhesive to back of the panels in 9mm beads at 16" centers, applying adhesive at least 3/4" 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 12" centers along edges and 24" centers along all intermediate framing. Screws or nails should be of sufficient length to penetrate 3/4" into framing behind smooth background. Position screws or nails 3/8" from edge of panels. Finishing screws may be used and left exposed.

**NOTE:** If adhesive is omitted, screw or nail panels 6" o.c. along all edges and 12" o.c. along intermediate framing.

## Finishing PINnacle Panels

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. PINnacle N.C.F.R. 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

Cuts can be made easily 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 made readily with several passes of a sharp utility knife.

## Panel Maintenance

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

# homasote

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