



zintra<sup>®</sup>

**½" (12MM) ACOUSTIC PANELS**  
**Technical Specifications**





Zintra™ Acoustic Panels 1/2" (12mm) are the perfect solution for your projects where sound reduction and aesthetics are required. Zintra's wide range of colors and ease of use make it the ideal material for commercial, hospitality, educational and institutional projects.

Zintra Acoustic 1/2" (12mm) Sheet in Malachite

**zintra**® .2



**INSTALLATION IDEAS**



Zintra Pattern Tiles in Brick





Top image: Zintra Acoustic 1/2" (12mm) Sheets custom cut in Slate, Cadet and Ochre  
Bottom image: Zintra Acoustic 1/2" (12mm) Sheet with Wood Digital Print



# TECHNICAL DETAILS

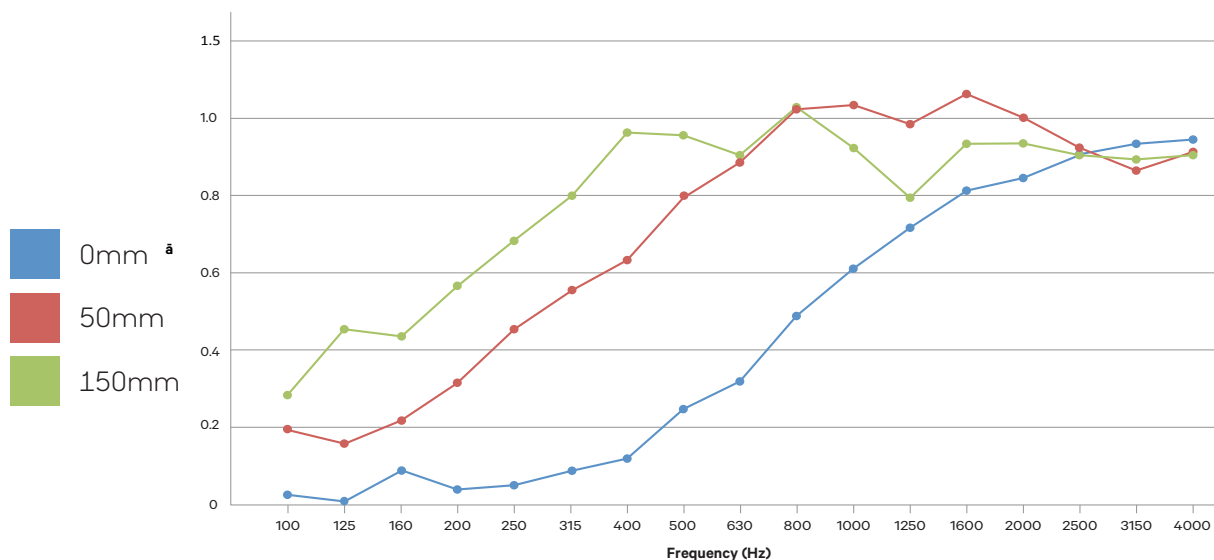
## MATERIAL

100% solution-dyed polyester.

## ACOUSTIC RATING

ASTM C423-09a test results: 0.45-0.90 NRC depending on distance from wall.

Frequency/Hz	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	ā	NRC
<b>0mm</b>	0.03	0.01	0.09	0.04	0.05	0.09	0.12	0.25	0.32	0.49	0.61	0.72	0.82	0.85	0.91	0.94	0.95	0.44	0.45
<b>50mm</b>	0.20	0.16	0.22	0.32	0.46	0.56	0.63	0.80	0.89	1.03	1.04	0.99	1.07	1.00	0.93	0.87	0.92	0.81	0.80
<b>150mm</b>	0.29	0.46	0.44	0.57	0.69	0.81	0.97	0.96	0.91	1.04	0.92	0.80	0.94	0.94	0.91	0.90	0.91	0.87	0.90



## SIZE

48.2" (1225mm) x 110.3" (2800mm) x 1/2" (12mm)  
Thickness tolerance +/- .02" (0.5mm)  
Width and length tolerance +/- 1/8" (3mm)

## SURFACE FINISH

Both sides "A" or "B" have a matt surface and are suitable to use as the face. To ensure consistency of look, it is recommended that the face surfaces are either all "A" or all "B" when installing side-by-side.

## WEIGHT

0.5 lb / ft<sup>2</sup> / 2.4 kg / m<sup>2</sup>

## APPLICATION

Indoor areas only.

## FABRICATION

Utility knife and CNC with oscillating knife.

## INSTALLATION

Adhere Zintra Acoustic Panel to substrate using contact adhesive or Liquid Nails. Panel can be mechanically fixed using details similar to glass fittings.

Go to [zintraacoustic.com](http://zintraacoustic.com) for complete installation instructions.

## FIRE RATING

ASTM-E84 - Class A classification  
AS ISO 9705 - 2003 - Group 1 classification  
EN-13501 - B-s2-d0 classification

## LIGHTFASTNESS

AATCC 16.3, Option 3: Panel color change at 40AFU is 4.5.

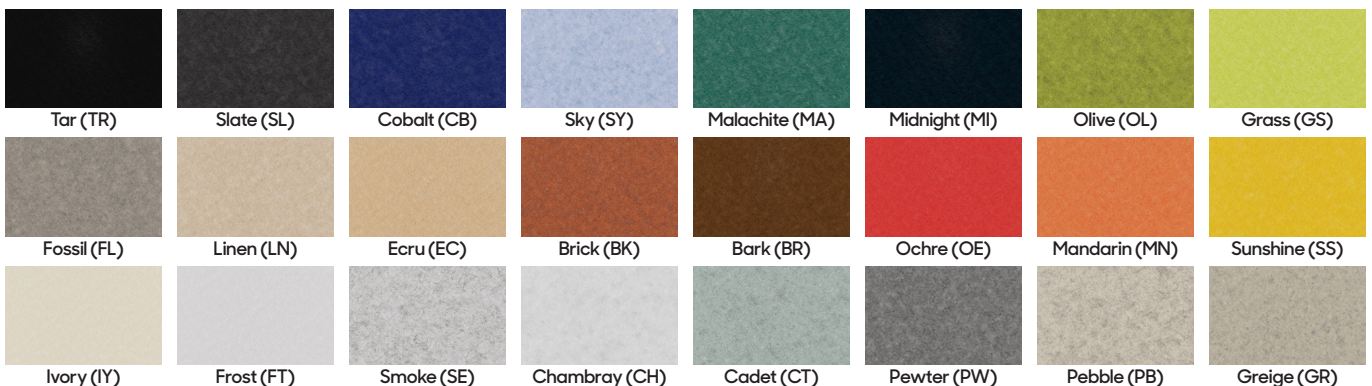
## COLOR RANGE

24 sheet colors and 4 timber colors.

## TIMBER COLORS



## PLAIN COLORS



## TEMPERATURE

Maximum temperature exposure is 240°F (115°C).

## MOISTURE ABSORPTION

Polyester fibre when exposed to an atmosphere of 120°F (49°C) at 90% relative humidity for four days showed moisture absorption of less than 0.03% by weight.

## VOC TESTING

Standard Method Version 1.2 for CDPH 01350:  
PASS for all testing scenarios.

## CARE INSTRUCTIONS

Vacuum to remove dust.

Remove spills immediately using a clean damp cloth or with soap and water.

Polyester carpet and fabric cleaners can be used - always test an inconspicuous area first.

A stain repellent coating is available for additional protection.

To disinfect, bleach can be used in accordance with CDC cleaning and disinfection instructions. (Solution ratio is 5 tablespoons of bleach to 1 Gallon (3.7 ltr) of water or 4 teaspoons of bleach per quart (0.95 ltr) of water. Spray apply the solution as a mist and wipe off surface moisture.

## ENVIRONMENT

Zintra is made from 100% recyclable materials.