



zintra®

**BAFFLE SYSTEMS**  
**Technical Specifications**

Zintra Baffle Systems Connect Prismatic in Pebble



 **CROWN**  
SURFACE SOLUTIONS

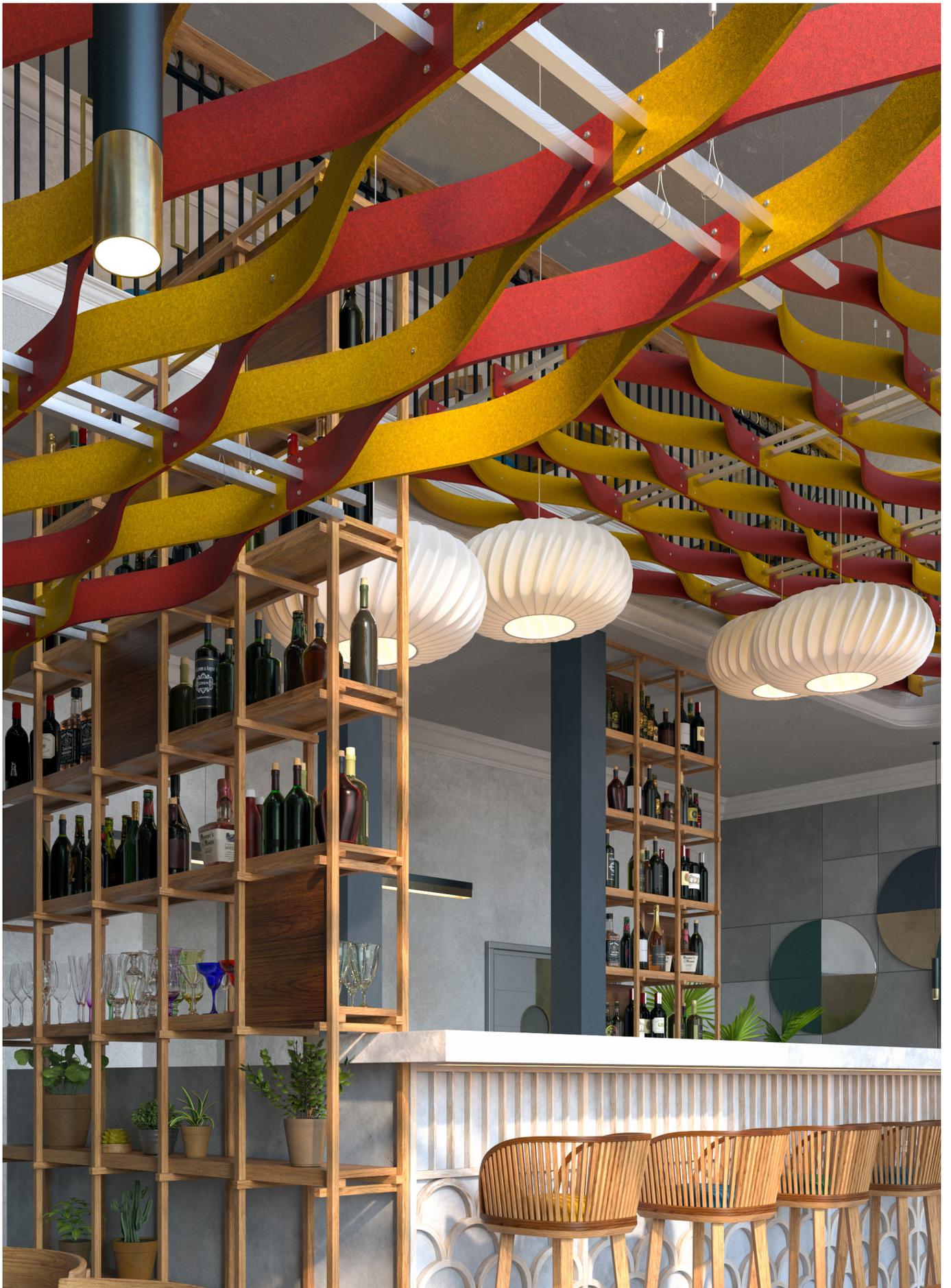


An innovative replacement to a mineral fibre ceiling system, Baffle Systems are easy to assemble, simple to install and come in a wide array of colours. They are ideally suited to large noisy spaces in educational institutions, shopping centres, offices, restaurants and airports.

Zintra Baffle Systems Connect Hive in Brick

**zintra**® .2

# INSTALLATION IDEAS



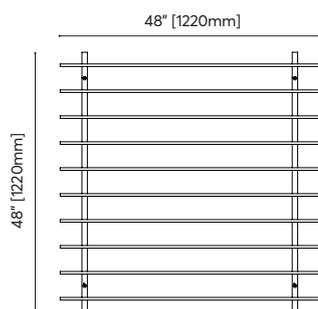


Top image: Zintra Connect Rise High in Slate, Cobalt and Chambray  
Bottom image: Zintra Connect Highrise

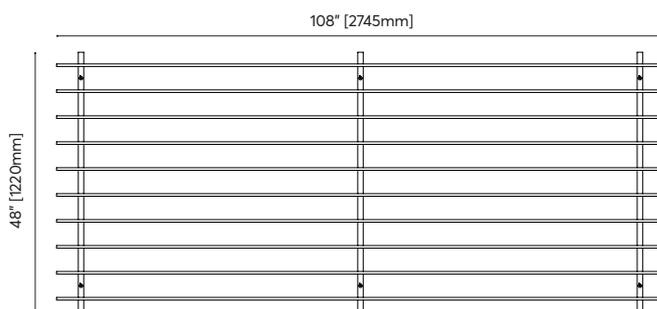
# TECHNICAL DRAWINGS

## BAFFLE SYSTEMS

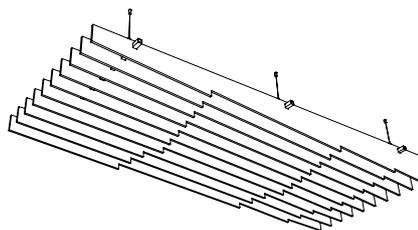
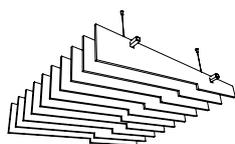
### SMALL BAFFLE



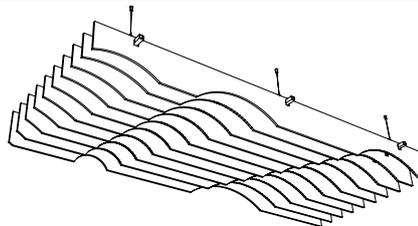
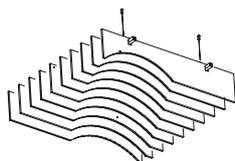
### LARGE BAFFLE



### BOLT



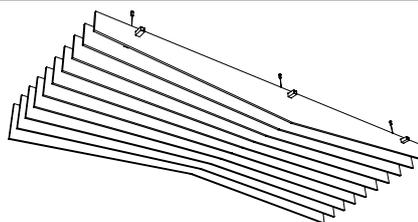
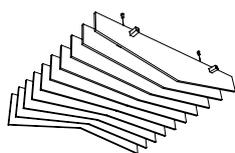
### CANYONS



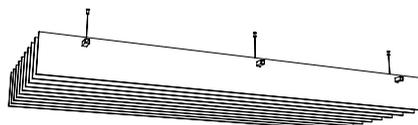
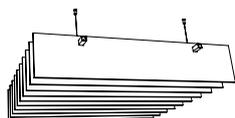
### GORGE\*



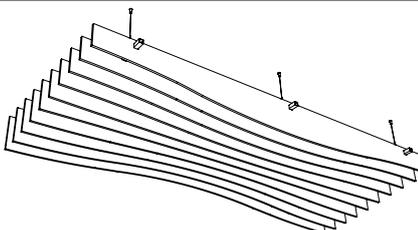
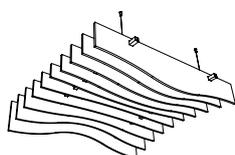
### RIDGES



### SQUARE

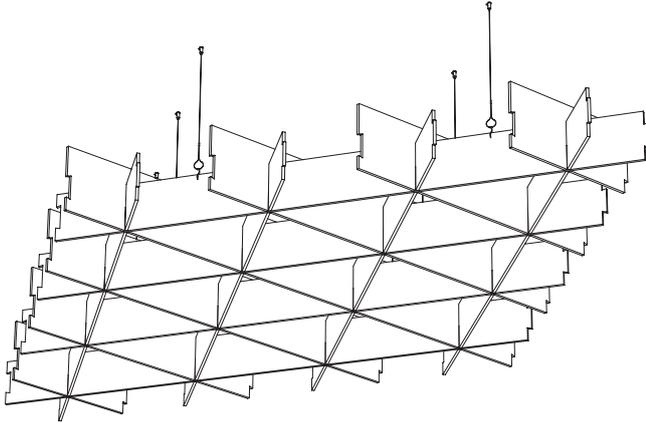


### SWELL



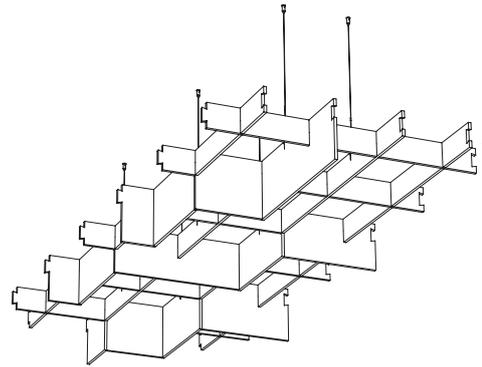
\* also available in 48" (1220mm) w x 72" (1829mm) l x 18" (456mm) h

# CIRRUS

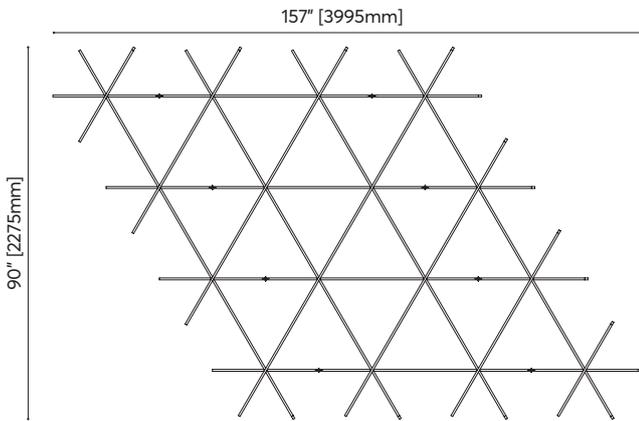


Typical perspective from underneath

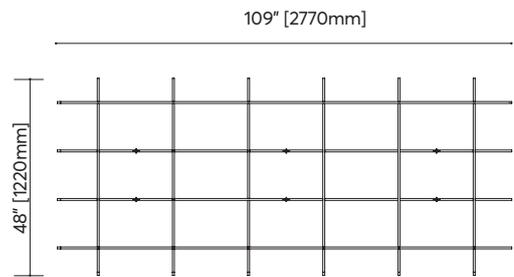
# RISE



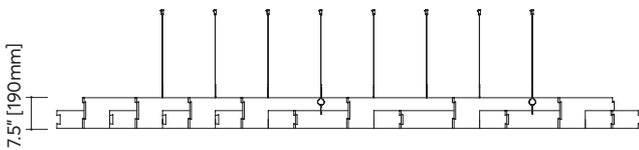
Typical perspective from underneath



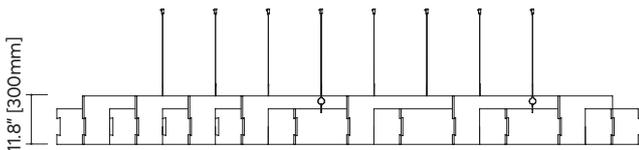
Plan View



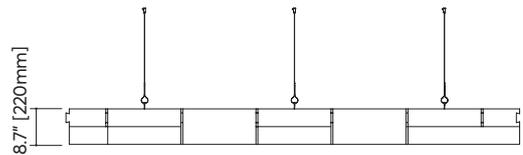
Plan View



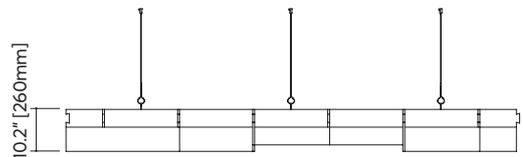
Cirrus Low



Cirrus High



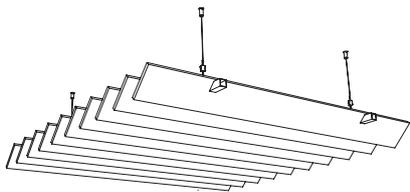
Low Rise



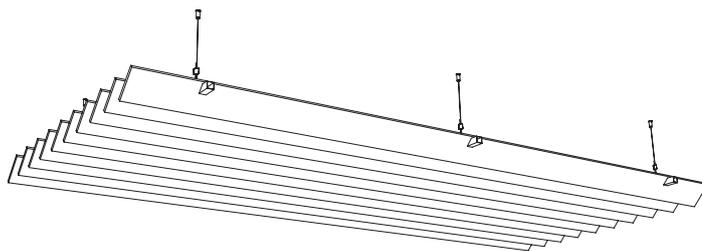
High Rise

# TECHNICAL DRAWINGS

## BAFFLE CONNECT

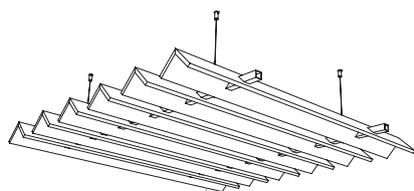


48" (1220mm) w x 48" (1220mm) d x 3.7" (94mm) h

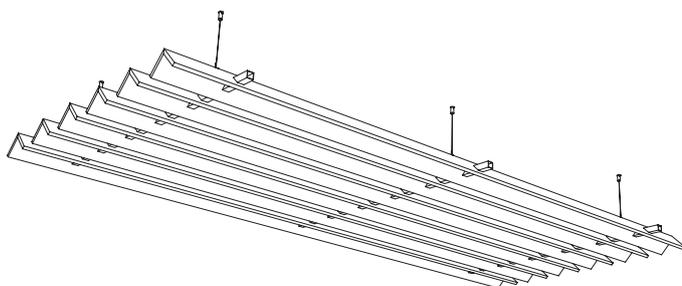


48" (1220mm) w x 108.1" (2745mm) d x 3.7" (94mm) h

## LOUVRE

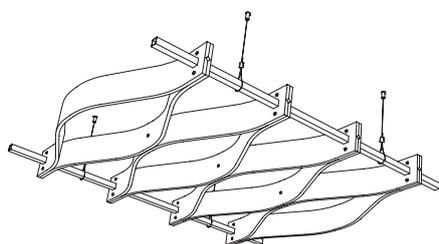


48" (1220mm) w x 48" (1220mm) d x 3.1" (80mm) h

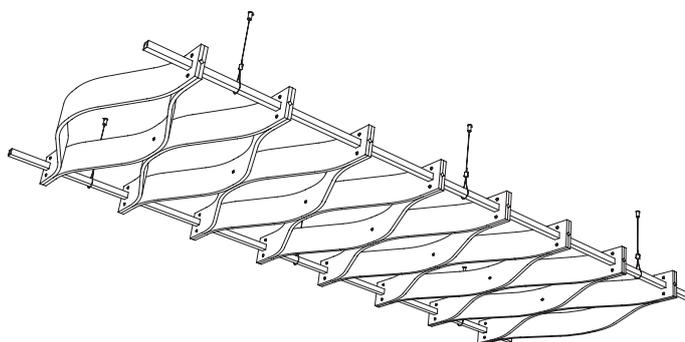


48" (1220mm) w x 108.1" (2745mm) d x 3.1" (80mm) h

## V-FOLD

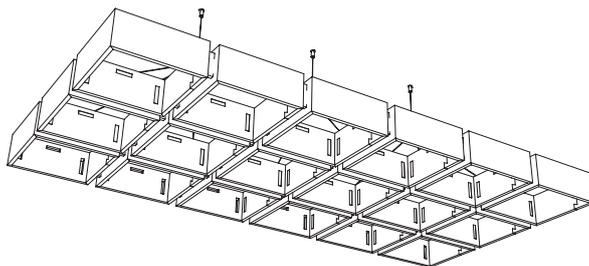


48" (1220mm) w x 54" (1373mm) d x 4.7" (120mm) h



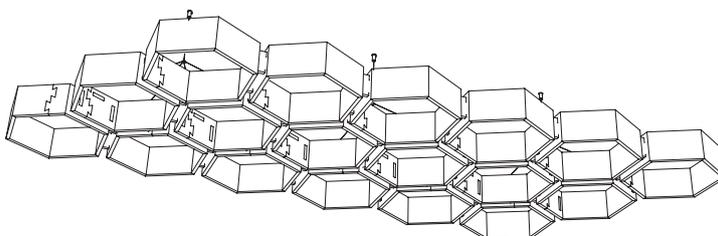
48" (1220mm) w x 108.1" (2745mm) d x 4.7" (120mm) h

## WAVES



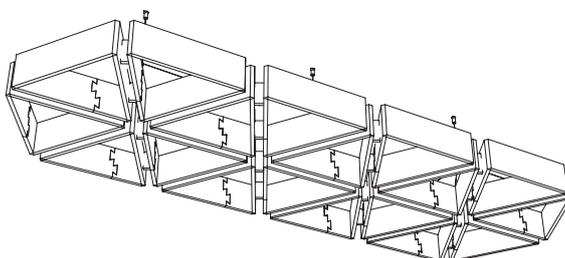
## CONNECT CUBIX

18 cubes / set, 18.9 SF (1.8m<sup>2</sup>)  
36.6" (930mm) w x 74.4" (1889mm) d x 4.7" (120mm) h



## CONNECT HIVE

18 hexagons / set, 21.7 SF (2.6m<sup>2</sup>)  
40.4" (1027mm) w x 100.2" (2544mm) d x 4.7" (120mm) h



## CONNECT PRISMATIC

18 triangles / set, 16.9 SF (1.7m<sup>2</sup>)  
30.2" (768mm) w x 88.2" (2241mm) d x 4.7" (120mm) h

# TECHNICAL DETAILS

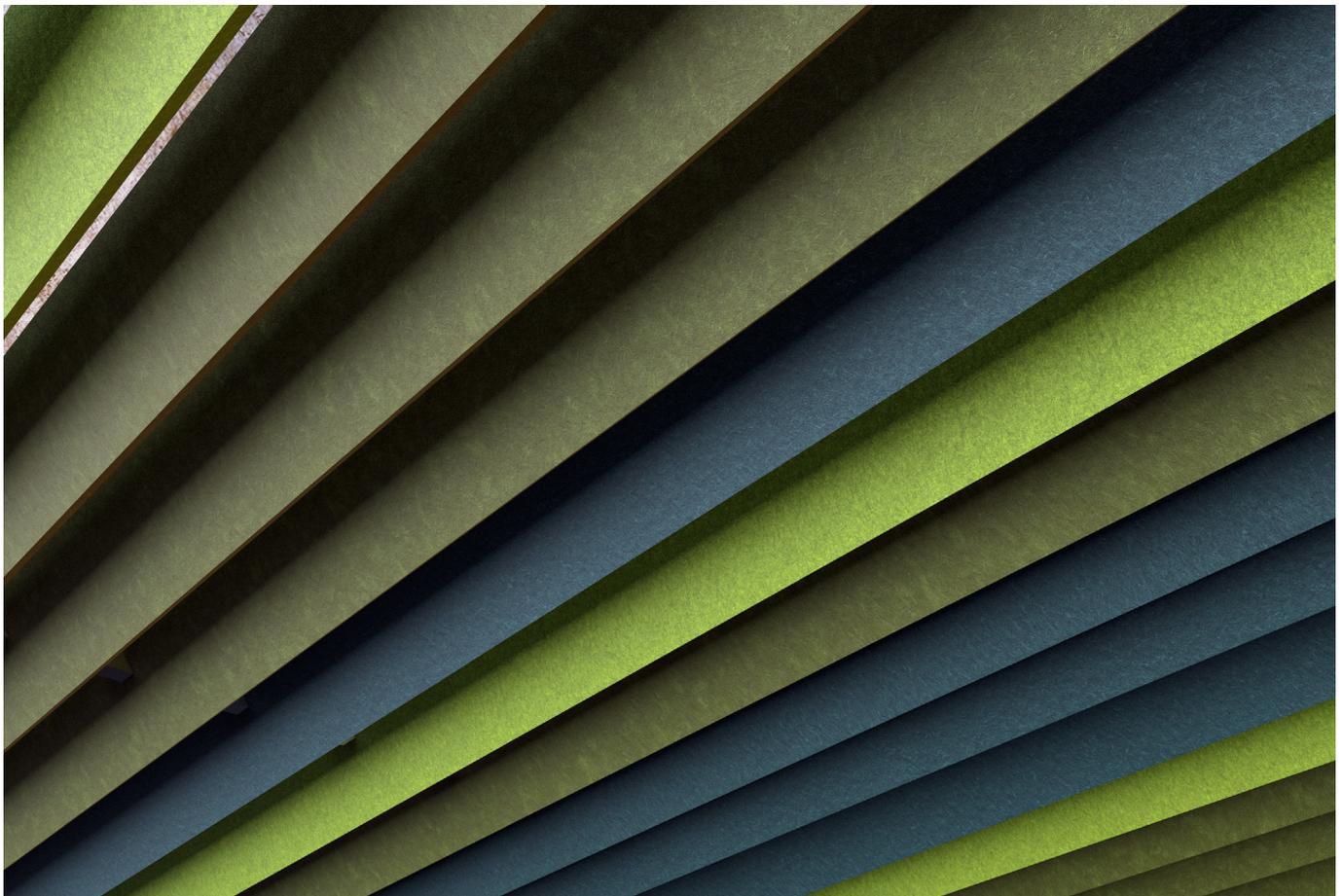
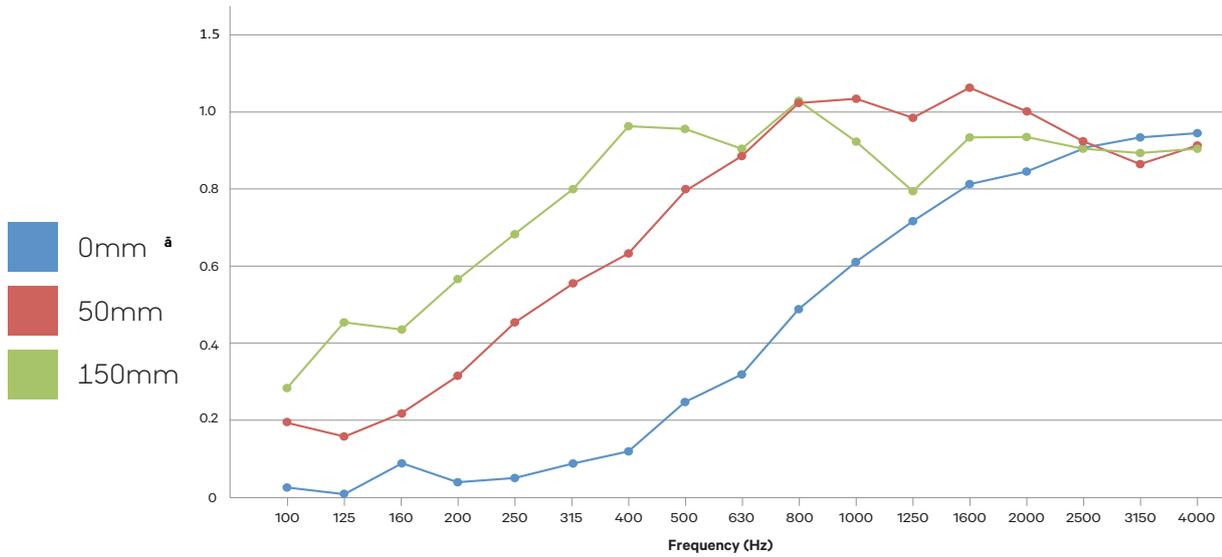
## MATERIAL

100% solution-dyed polyester.

## ACOUSTIC RATING

ASTM C423-09a test results: 0.90 NRC.

| Frequency/Hz       |       | 100  | 125  | 160  | 200  | 250  | 315  | 400  | 500  | 630  | 800  | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | 4000 | $\bar{\alpha}$ | NRC  |
|--------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|------|
| DISTANCE FROM WALL | 0mm   | 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 |
|                    | 50mm  | 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 |
|                    | 150mm | 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

See page 5-8.

## 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

Baffles are supplied flat pack.

Slide Baffles onto notched Square Tube to position it into place. Fix Adjustable Cables to ceiling.

Insert S Hooks into Connect set. Hang Connect set from cables. Adjust cables to complete installation.

To avoid bowing or creasing, support Baffles during installation.

Go to [crownsurfacesolutions.com](http://crownsurfacesolutions.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.

Tested in accordance with CAN/ULC S102

## COLOUR RANGE

24 sheet colours and 4 timber colours.

## TIMBER COLOURS



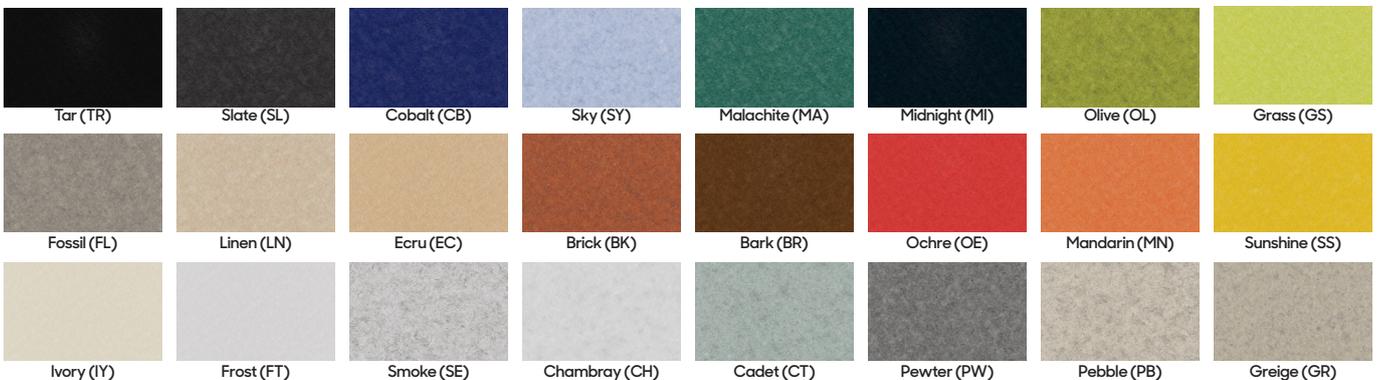
Merbau (MB)

Spotted Gum (SP)

Eucalyptus (EU)

Ironbark (IB)

## PLAIN COLOURS



Tar (TR)

Slate (SL)

Cobalt (CB)

Sky (SY)

Malachite (MA)

Midnight (MI)

Olive (OL)

Grass (GS)

Fossil (FL)

Linen (LN)

Ecru (EC)

Brick (BK)

Bark (BR)

Ochre (OE)

Mandarin (MN)

Sunshine (SS)

Ivory (IY)

Frost (FT)

Smoke (SE)

Chambray (CH)

Cadet (CT)

Pewter (PW)

Pebble (PB)

Greige (GR)

## LIGHTFASTNESS

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

## 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.

## ENVIRONMENT

Panels are fully recyclable at end of life.

## 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.

Disinfection - Regular household bleach solution (5.25% sodium hypochlorite) can be used in accordance with Health Canada Cleaning and Disinfection instructions. The solution ratio should be 10% bleach to 90% water. Spray apply the solution as a mist, follow recommended wet contact period and then wipe off the surface moisture.