



zintra®

BAFFLE SYSTEMS
Technical Specifications



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 colors. 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



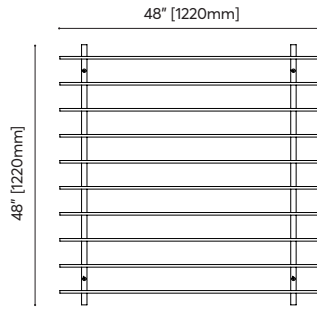


Top image: Zintra Connect Rise High in Slate, Cobalt and Chambray
Bottom image: Zintra Connect Highrise

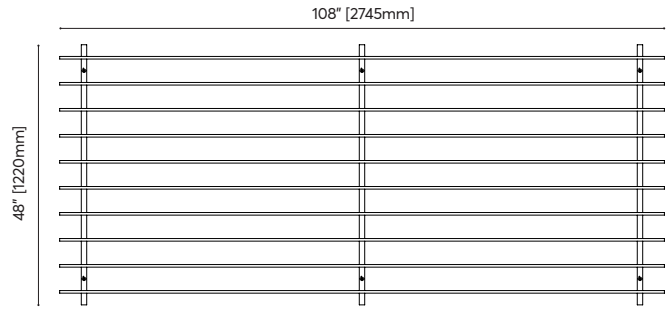
TECHNICAL DRAWINGS

BAFFLE SYSTEMS

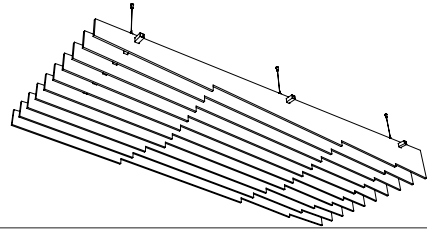
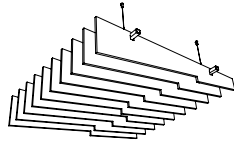
SMALL BAFFLE



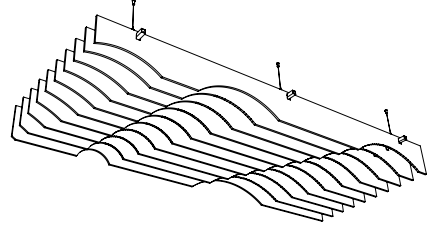
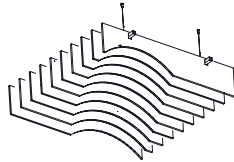
LARGE BAFFLE



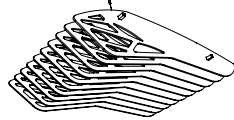
BOLT



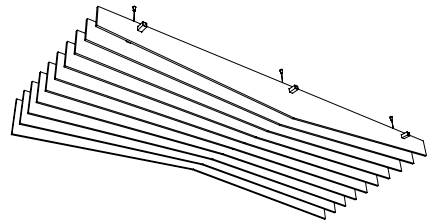
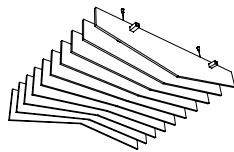
CANYONS



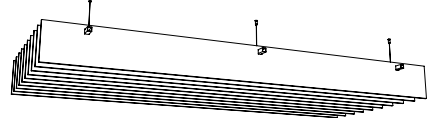
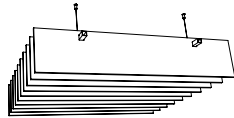
GORGE*



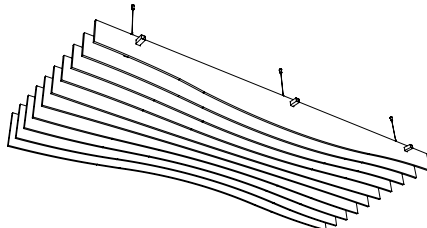
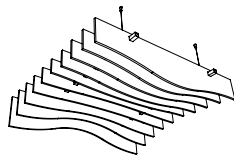
RIDGES



SQUARE

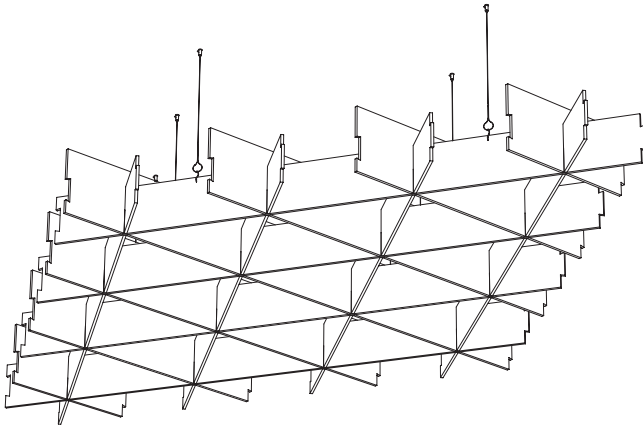


SWELL



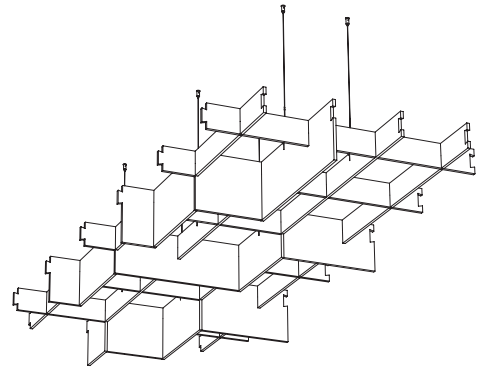
* also available in 48"(1220mm) w x 72" (1829mm) l x 18" (456mm) h

CIRRUS

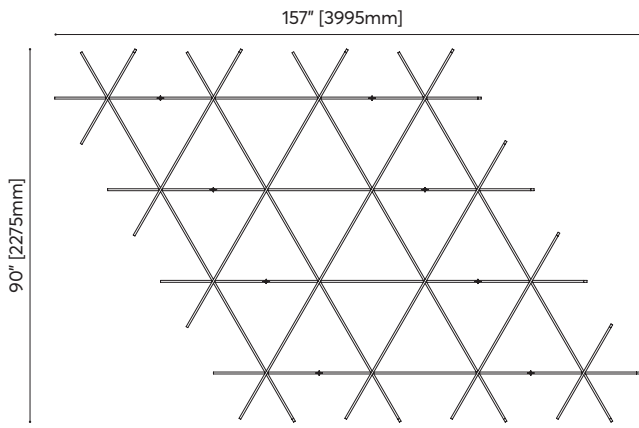


Typical perspective from underneath

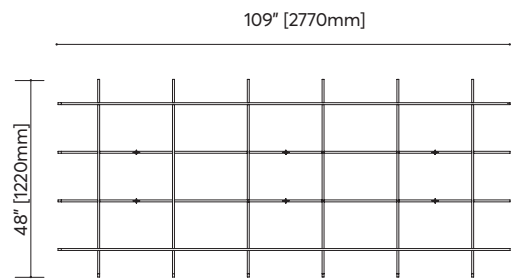
RISE



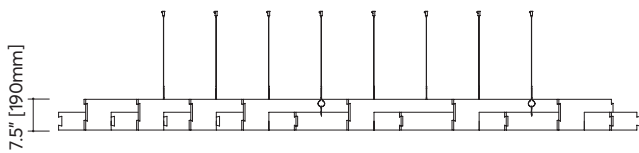
Typical perspective from underneath



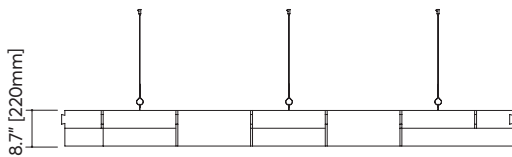
Plan View



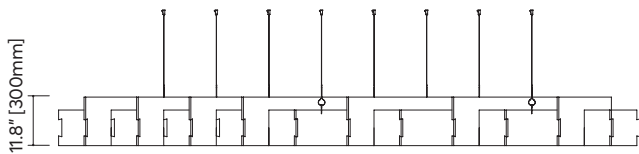
Plan View



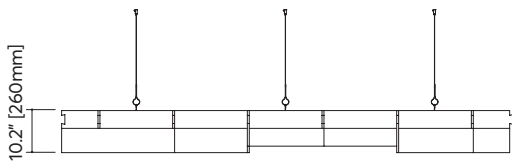
Cirrus Low



Low Rise



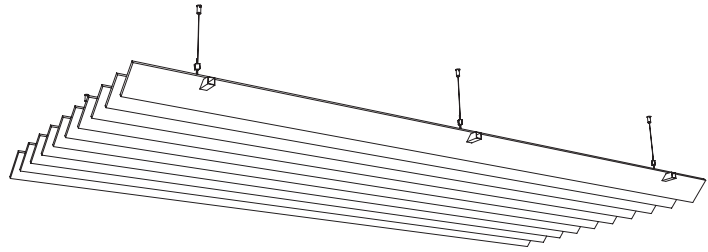
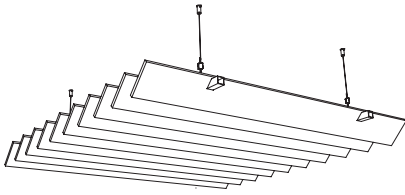
Cirrus High



High Rise

TECHNICAL DRAWINGS

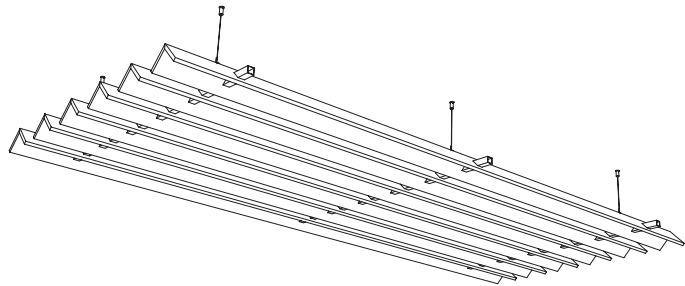
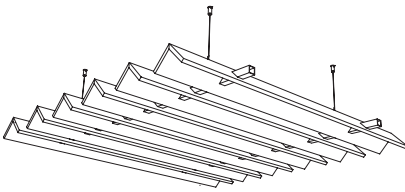
BAFFLE CONNECT



LOUVRE

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

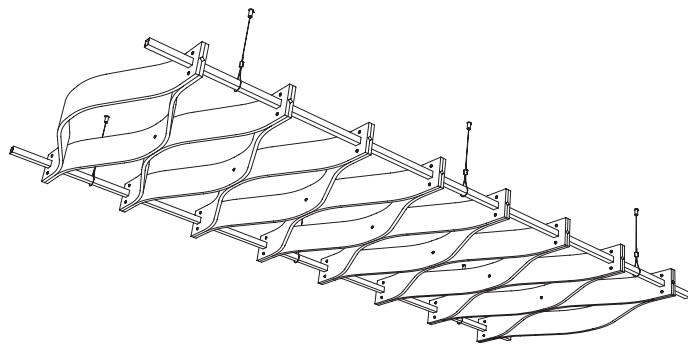
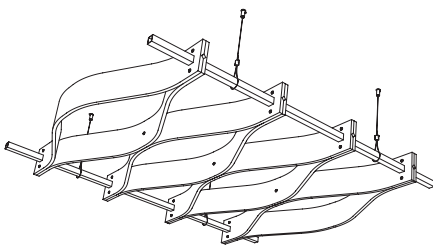
48" (1220mm) w x 108.1" (2745mm) d x 3.7" (94mm) h



V-FOLD

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

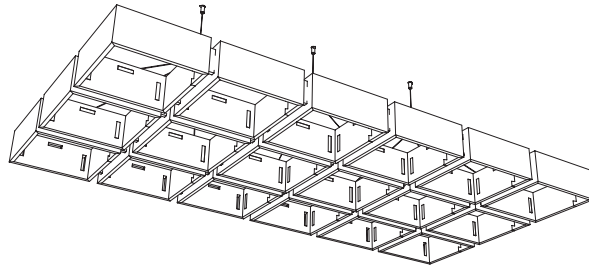
48" (1220mm) w x 108.1" (2745mm) d x 3.1" (80mm) h



WAVES

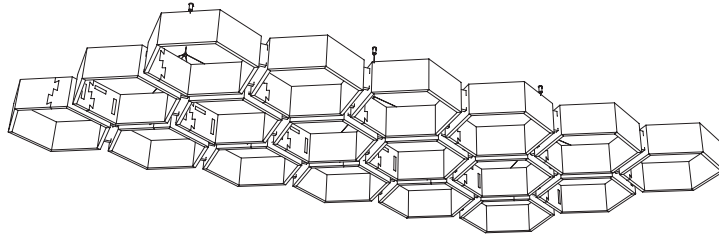
48" (1220mm) w x 54" (1373mm) d x 4.7" (120mm) h

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



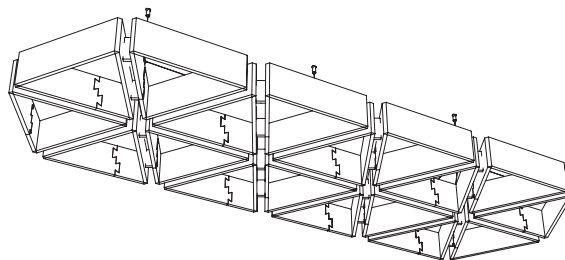
CONNECT CUBIX

18 cubes / set, 18.9 SF (1.8m²)
36.6" (930mm) w x 74.4" (1889mm) d x 4.7" (120mm) h



CONNECT HIVE

18 hexagons / set, 21.7 SF (2.6m²)
40.4" (1027mm) w x 100.2" (2544mm) d x 4.7" (120mm) h



CONNECT PRISMATIC

18 triangles / set, 16.9 SF (1.7m²)
30.2" (768mm) w x 88.2" (2241mm) d x 4.7" (120mm) h

TECHNICAL DETAILS

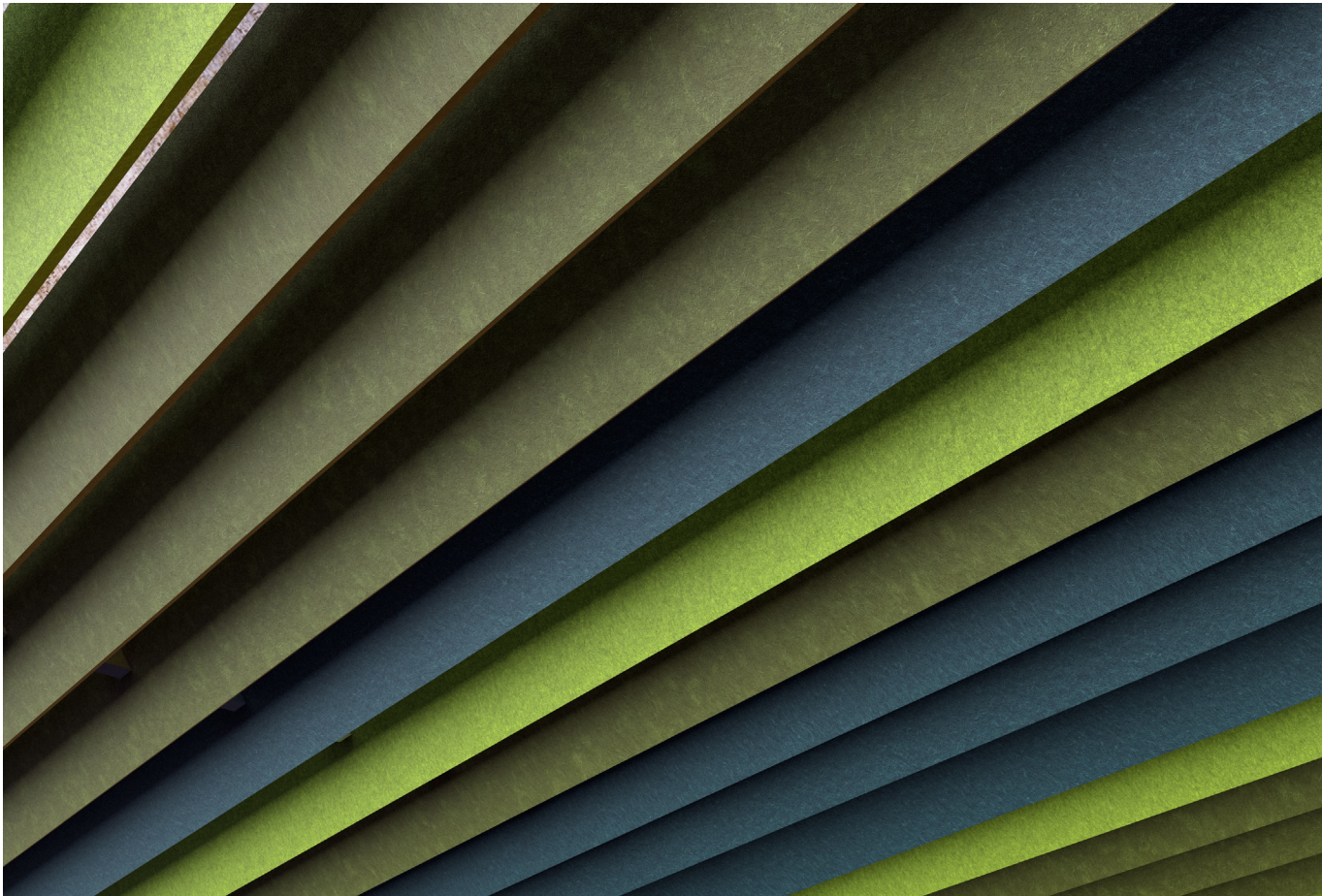
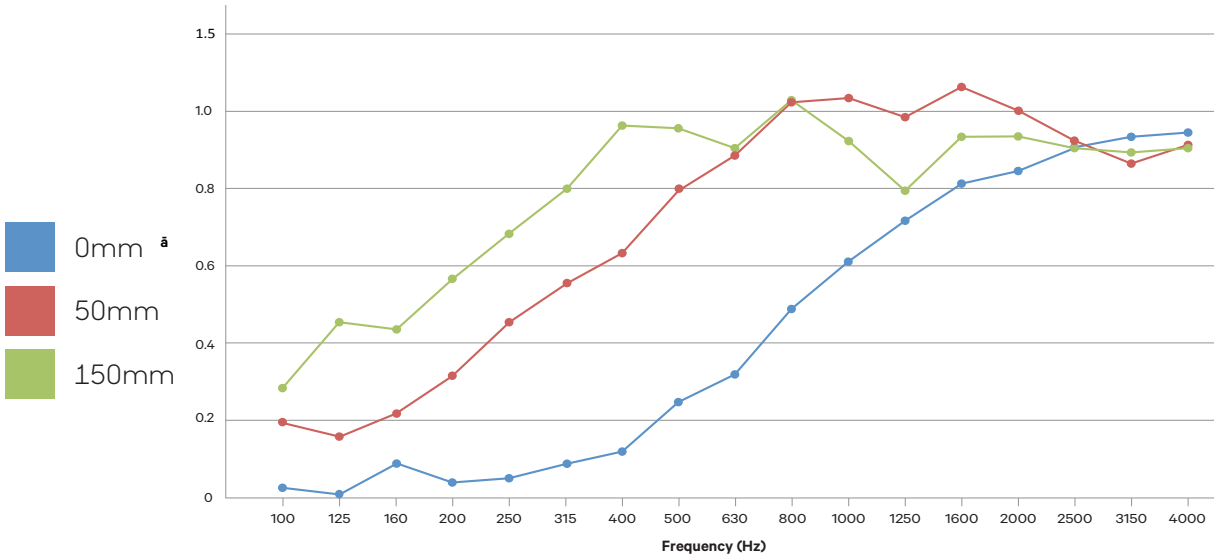
MATERIAL

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 / ft² / 2.4 kg / m²

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 zintraacoustic.com for complete installation instructions.

FIRE RATING

ASTM-E84 - Class A classification

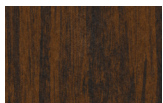
AS ISO 9705 - 2003 - Group 1 classification

EN-13501 - B-s2-d0 classification.

COLOR RANGE

24 sheet colors and 4 timber colors.

TIMBER COLORS



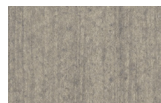
Merbau (MB)



Spotted Gum (SP)

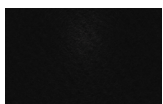


Eucalyptus (EU)

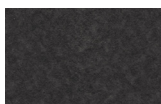


Ironbark (IB)

PLAIN COLORS



Tar (TR)



Slate (SL)



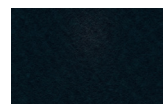
Cobalt (CB)



Sky (SY)



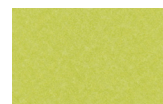
Malachite (MA)



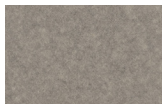
Midnight (MI)



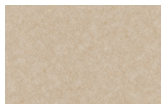
Olive (OL)



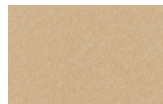
Grass (GS)



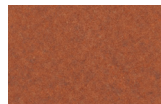
Fossil (FL)



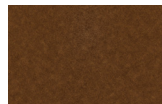
Linen (LN)



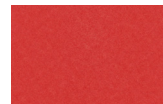
Ecru (EC)



Brick (BK)



Bark (BR)



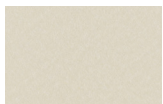
Ochre (OE)



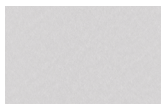
Mandarin (MN)



Sunshine (SS)



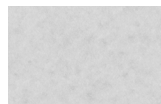
Ivory (IY)



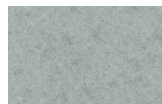
Frost (FT)



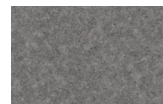
Smoke (SE)



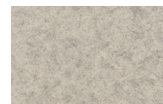
Chambray (CH)



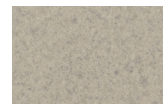
Cadet (CT)



Pewter (PW)



Pebble (PB)



Greige (GR)

LIGHTFASTNESS

AATCC 16.3, Option 3: Panel color 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.

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.