zintra

Handling, Fabrication and Installation Handbook

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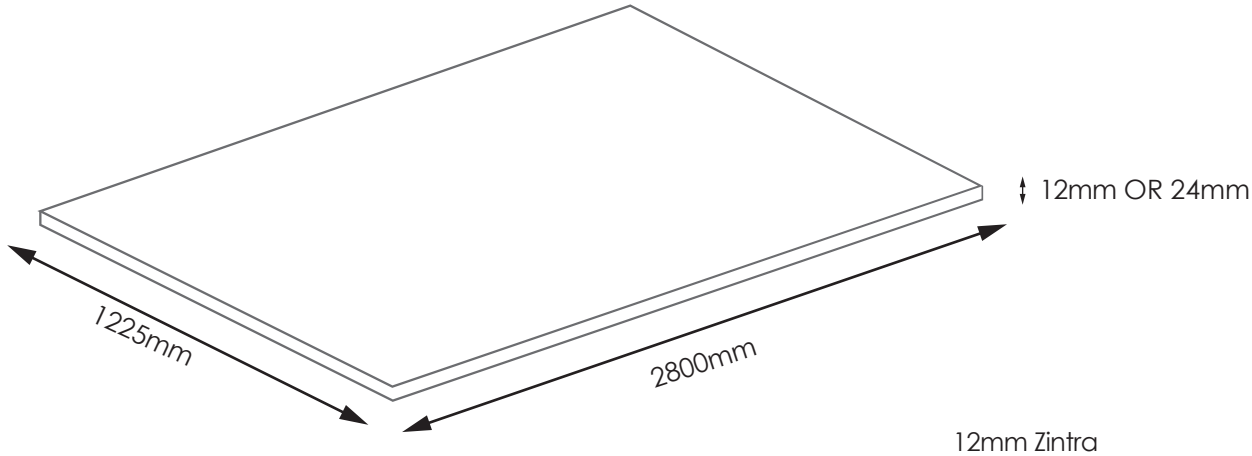
baresque

Specification



12mm Zintra
Density: 2.4kg/m²
Weight: 8.23kg per sheet

24mm Zintra
Density: 3.6kg/m²
Weight: 12.34kg per sheet

Material	Zintra Acoustic Panel - 100% solution dyed (colour through) polyester
Thickness	12mm and 24mm
Application	Indoor use only
Plain Colours	30 (12mm) 5 (24mm)
Timber Print	4 (Available 12mm only - single side and double sided)
Premium Wood	12 (Available 12mm only - single side and double sided)
Premium Materials	18 (Available 12mm only - single side and double sided)
Customisable Print	Yes - please get in touch with your BDM for further information Check out our designs - www.baresque.com.au/categories/digital-print
Assembly Required	Yes - refer to following pages or the install guide provided for the specific product selected
Fire Rating	ASTM-E84 - Class A classification AS ISO 9705 - 2003 - Group 1 classification EN – 13501 - B -s2-d0 classification
Light-fastness	AATC 16.3, Option 3: Zintra 12mm Panel colour change at 40AFU is 4.5
Temperature	Maximum temperature exposure is 115°C
Moisture Absorption	Polyester fibre when exposed to an atmosphere of 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
Warranty	5 years (Please visit https://www.baresque.com.au/about/faq for further information)

Handling

PLEASE CAREFULLY INSPECT THE Zintra Acoustic Panel PRODUCT PRIOR TO INSTALLING, CUTTING, DRILLING OR FABRICATING AND INFORM BARESQUE IMMEDIATELY OF ANY DAMAGE OR DEFECTS. FAILURE TO DO SO MAY JEOPARDIZE YOUR RIGHTS TO WARRANTY REPLACEMENT AND / OR REIMBURSEMENT FOR DAMAGE DURING TRANSIT.

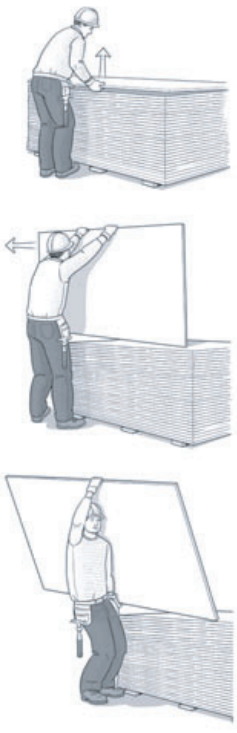
Zintra Acoustic Panels are supplied with stickers indicating the recommended face and orientation of panel products. Do not remove these until panels are ready for install. Allow for variation in thickness due to manufacturing and on-site tolerances.

When handling Zintra panels, make sure hands are clean and oil free, cotton gloves are recommended.

If lifting devices are not available, Baresque Zintra Acoustic Panels can be unloaded manually. However, it is very important to follow special procedures for your safety:
- Handle one panel at a time
- Panel should be handled on the edge
- Carry Vertically
- Two people highly recommended

Baresque Zintra Acoustic Panel must be stored in a dry place. It is advisable to place a polyethylene cover over the stack when a panel is removed, to reduce moisture absorption. It is recommended that panels should be stored horizontally on their original delivery pallets, and that the pallets be placed on horizontal storage shelves. Please see figure A.

If a vertical storage method is adopted, it is preferable that the panels be leaned against solid supports with an incline of approximately 80° to avoid bending. The base of the panel should be fully supported by either a flat floor or stable platform, as illustrated in figure B.



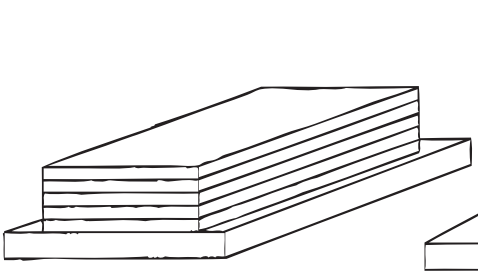


Figure A

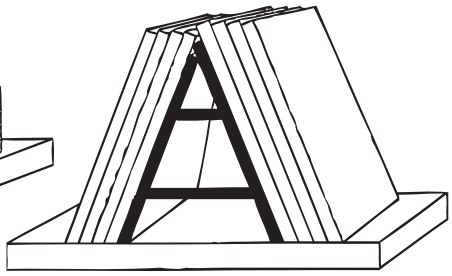


Figure B

Fabrication

Baresque's Zintra Acoustic Panels allow for easy on-site cutting, eliminating the need to wait for on-site measurements before ordering.

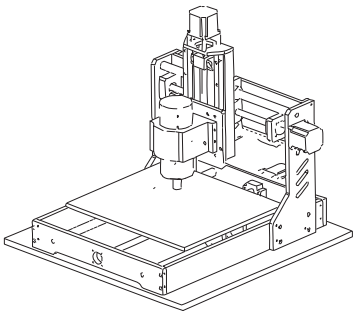
CUTTING + MACHINING
In terms of hardness, Baresque Zintra Acoustic Panel is similar to cutting foam.

Ways Zintra can be best cut:
• Oscillating cutter on CNC
• Stanley/Utility knife
• Jigsaw cutter
• Table Saw

Recommendations for machining:
• Best results will be achieved by using only very sharp tools, ensuring the efficient removal of swarf, not overheating the material in which it may melt
• Always double check and ensure measurements are correct prior to cutting any panel
• Below details are a guide only and are not the limit of how Zintra can be fabricated. Please test prior to doing any fabrication before proceeding with any fabrication.

CNC Machine

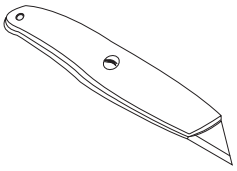
CNC machining Zintra allows for intricate cutting with precision as well as angled cuts and details to be achieved easily. Using an oscilating cutter leaves a clean square edge on a sheet every time.



When is it needed?
• GPO power points precisely located
• Cutting custom shapes or intricate details
• No additional cutting required onsite

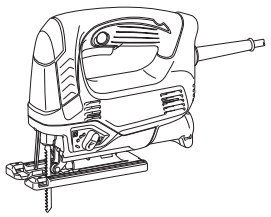
Stanley/Utility Knife

The utility knife is used for small straight cuts. The process of using a utility can be used for a quick alteration or when cutting away material for a better tolerance fit.



When is it needed?
• GPO power points
• Quickly cutting rectilinear shapes to size
• Cutting custom shapes on site
• Adjusting existing design for site conditions

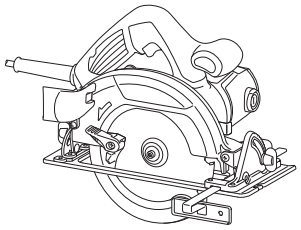
Jig Saw



A jigsaw is an excellent tool for cutting organic lines and shapes with precision and speed. It works exceptionally well with Zintra Acoustic Panels. However, a jigsaw requires a stable work surface to allow for free movement underneath.

When is it needed?
- Skirting and cornice board
- Rounded window and door openings
- Cutting custom shapes on site
- Adjusting existing design for site conditions

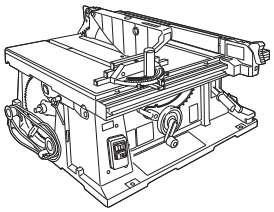
Circular Saw



The Circular saw is used for cutting long cuts, such as full sheets and cuts with a utility knife would take to long. The circular saw is used for area's that do not require and perfect finished edge as is leave a slight fluffy edge. The benefit for using a circular saw is that the saw can cut angles from 0deg to 45deg.

When is it needed?
- For GPO power points
- To quickly cut rectilinear shapes to size
- To cut custom shapes on-site
- To adjust an existing design for site conditions

Table Saw



A table saw is primarily used in factories, but some installers and field fabricators have access to table saws, including compact models. Table saws offer built-in guides, allowing for faster setup and turnaround times. They are excellent tools for mass cutting and straight cuts.

When is it needed?
- Cutting full Zintra Acoustic PET Panels
- Quickly cutting rectilinear shapes to size
- Cutting custom shapes on site
- Adjusting existing design for site conditions
- Cutting mitred edges

Installation

Ensure that your substrate can securely hold the recommended adhesive or installation method selected. Baresque does not assume responsibility for installation work. This guide provides general recommendations, and we strongly recommend hiring a qualified installer for the best results.

IMPORTANT NOTES
• Do not rush your installation. Take time and care during installation to achieve a professional finish
• AVOID SOLVENT BASED CONTACT ADHESIVES

Install Zintra panels using one of these five common techniques:
1. Direct adhesion to a substrate
2. Mechanical fastener (screws to suit substrate)
3. Point Fix System
4. Split Battens
5. Cable system

Direct Adhesion

Be certain that your substrate will hold an adequate bond to the recommended adhesive. Ensure wall or ceiling surface is clen, free of dust or imperfections. Ensure gentle pressure only is applied to panel, especially around edges to ensure no adhesives show or bleed through.

Recommended Adhesives
• Neutral Cure silicone w double sided tape if required
• Contact adhesive spray suitable for acoustic sheets or foam

Point Fix Systems

Baresque offer point fix systems to offset your Zintra panel off the wall. Point fix are available in two diameter heads and multiple body lengths depending on how much offset off the wall the panel is required to sit. This is a great option to hide items on a wall that do not allow for direct fixing and allow for the panel to be removed easily for access.

Please refer to our Point Fix system guide for further information.

Split Batten Systems

Split battens or Z-clips are an easy way to attach panels to a wall when full adhesion is not possible or if the panels need to be removed. A full Zintra panel is recommended to have four sets of split battens running vertically across the full height of the panel, stopping just short of the edges. The battens should be mechanically fixed to both the Zintra panel and the substrate as needed.

Cable System Systems

For installations where panels do not need to be attached to a wall, Baresque offers floor-to-ceiling cable systems to support Zintra Panels. These kits are available for purchase and can be mechanically fixed to the floor and ceiling. Clamps are secured along a wire on each side to hold the Zintra Panel in place. This is an excellent option for creating temporary walls, privacy screens, or increasing the height of cabinetry without significant cost.

Cleaning

WARNING: Do not saturate Zintra panels with cleaning liquids or water.

Vacuum to remove dust.

Zintra panels should be cleaned immediately when anything is split directly onto the surface. Dab Zintra with a damp clean cloth and mild solution of liquid detergent and warm water. Repeat using only clean water, then pat dry with a lint free cloth.

For difficult stains, use a solution of household bleach (10% bleach / 90% water). To remove the bleach, repeat using a clean, water dampened cloth, then pat dry.

Always test in an inconspicuous area first and if you don't see the expected results, contact us.

CREASING OR INDENTS:
For light creases or indents, gently steam the Zintra panel, keeping the steamer head away from the surface.

For larger indents, use a wet cloth-wrapped iron, ensuring the cloth remains wet to protect the Zintra surface.

Always test these methods in an inconspicuous area first.

Zintra is a fibered product and may not be able to be repaired if bent or creased excessively. Refer to the handling section of guide to prevent damage during fabrication or installation.

Allow the Zintra panel to dry completely away from direct heat before using it again..