

zintrac[®]
ACOUSTIC SOLUTIONS

ZINTRA[®] ACOUSTIC PANEL

Handling, Fabrication and Installation Guide

PLEASE CAREFULLY INSPECT THE ZINTRA ACOUSTIC PANEL PRODUCT PRIOR TO INSTALLING, CUTTING, DRILLING OR FABRICATING AND INFORM ALLPLASTICS ENGINEERING IMMEDIATELY OF ANY DAMAGE OR DEFECTS. FAILURE TO DO SO MAY JEOPARDISE YOUR RIGHTS TO WARRANTY REPLACEMENT AND / OR REIMBURSEMENT FOR SHIPPING DAMAGE. To ensure your satisfaction, the following information is provided to guide you in the proper care and handling of ZINTRA ACOUSTIC PANEL.

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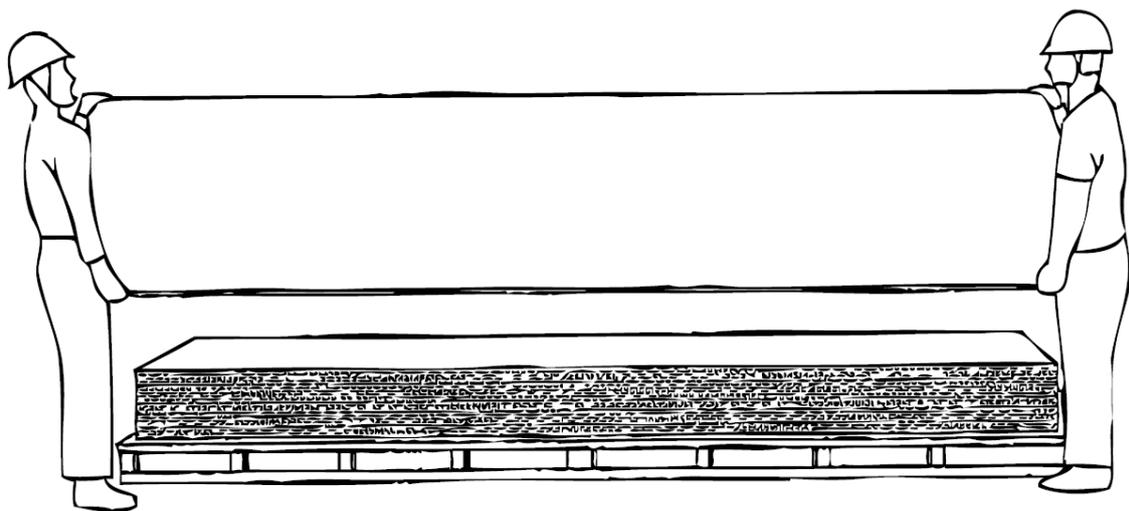
Handling

Allplastics Zintra Acoustic Panel will arrive without protective masking applied to the finished surfaces. When handling unmasked sheets, make sure hands are clean and oil free: cotton gloves are recommended.

If lifting devices are not available, Allplastics Zintra Acoustic Panel can be unloaded manually. However, it is very important to follow special procedures for your safety:

- Handle one sheet at a time
- Sheet should be handled on the edge
- Carry vertically
- Always have heavy-duty protective gloves and proper safety shoes
- Two people

Sheets should be carrier one at a time on edge with one hand under to support and one hand for control.



Storage

Allplastics Zintra Acoustic Panel must be stored in a dry place. It is advisable to place a polyethylene cover over the stack when a sheet is removed, to reduce moisture absorption. It is recommended that sheets should be stored horizontally on their original delivery pallets, and that the pallets be placed on horizontal storage shelves. It is strongly recommended that pallets should not be stacked, which carries the risk of creating internal tensions and spoiling the flatness of the sheets. Please see figure A.

If a vertical storage method is adopted, it is preferable that the sheets be leaned against solid supports inclined at approximately 80° to avoid any bending, the base of the sheet should be fully supported by flat floor or stable platform. As illustrated in figure B. It is strongly recommended to avoid storage longer than 6 months.

Panels should be stored indoors in a cool, dry, well ventilated area out of direct sunlight and away from heat sources. Avoid temperature extremes during storage and allow the material to acclimate to ambient room temperature before installation.

Do not allow water to come into direct contact with the material during storage. This could cause the material to warp, stain, or delaminate, and may make the masking difficult to remove.

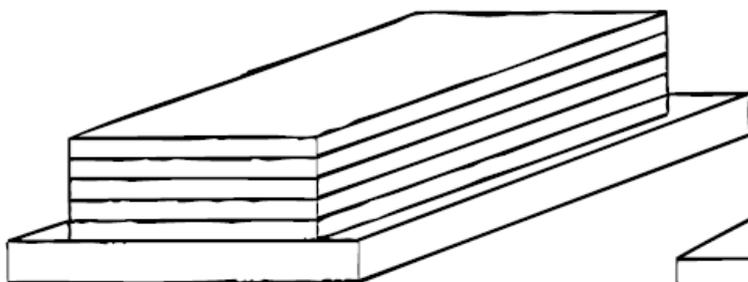


Figure A

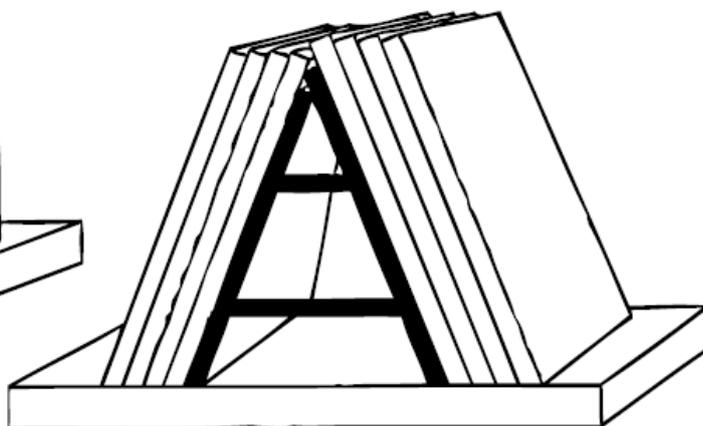


Figure B



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Address. Unit 20/380 Eastern Valley Way, Chatswood, NSW 2067 AUSTRALIA. www.allplastics.com.au

Fabrication

All of Allplastics Zintra Acoustic Panel enables on-site cutting, eliminating the need to pre-order toughened glass panels weeks in advance. Most of Allplastics Engineering's Zintra Acoustic Panel can be fabricated by the installer on-site, allowing last minute changes to be made, such as electrical point cut-outs etc.

Machining

In terms of hardness, Allplastics Zintra Acoustic Panel is similar to cutting foam. It can be machined:

- Oscilating cutter on CNC
- Table saw
- Stanley knife
- Jigasaw cutter

Recommendations for Machining

- Excessively fast machining causes local overheating, generating internal stresses which must subsequently be relieved by annealing
- Best results will be achieved by using only very sharp tools, ensuring the efficient removal of swarf, not overheating the material;
- During machining, parts must be clamped properly to avoid any vibration;
- Strong vibration may result in a poor edge finish or broken sheet;

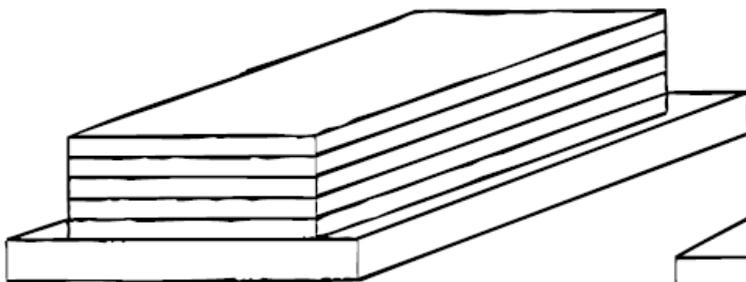


Figure A

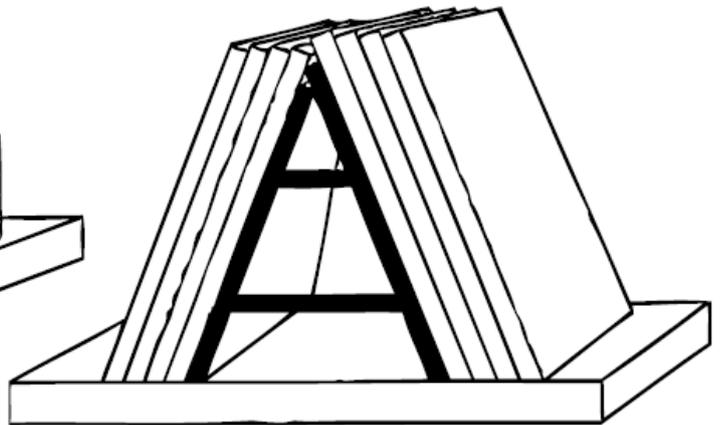


Figure B



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Cutting

- Horizontally measure the top and bottom of the wall to determine the panel width required, as not all walls are square
- Use a ballpoint pen to gently mark these measurements
- Always support the Allplastics Engineering panel, using a table or sheet of panel material
- Always ensure that all cutting blades are sharpened prior to use

Table Saw

- Allow the panel to pass through the saw with even pressure - do not force the panel

Circular Saw

Circular saws give a straight, accurate cut. This is the most frequently used technique. When cut correctly, Allplastics Zintra Acoustic Panel sheets have a clean surface. Carbide-tipped blades are recommended for industrial use, for cutting piles of sheets.

Hand Saw

A fine tooth panel saw may be used to cut Allplastics Zintra Acoustic Panel. Mark the panel for the cut, hold the blade of the hand saw at a very low angle, so that it is almost fit at to the edge of the board; Cut slowly and carefully with even strokes.

Jigsaw

Jigsaws with blades suitable for wood or plastics can be used for short distances such as power point openings. Do not allow blade to overheat.

Drilling and Opening

Drilling can be carried out with fixed or portable drilling machines, fitted with high speed, super-high speed or carbide-tipped steel drills for light metal.

The use of carbide-tipped drills is recommended, to obtain a high-grade finish on the sides of the holes. Best results will be achieved with a slow to medium drill speed.



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Installation

Please inspect carefully upon receipt of Allplastics Zintra Acoustic Panel, replacement policy does not allow for any labour charges incurred during or after fabrication on the defective materials.

The following list is a mandatory check list for fabricators when working with Allplastics Zintra Acoustic Panel.

- Please check piece sizes, colour, design , finishing prior to fabrication or install.
- Surfaces need to be flattened prior to instal. For the tops of the cabinets must be flat and true to within 3mm of a flat surface.
- Clean surfaces with denatured alcohol before applying adhesive to prevent bonding failure.

Zintra panels are simple to install using construction adhesive and if desired double sided tape. It can be fixed directly to a timber frame wall or it can be laid over an existing wall lining, such as plaster board.

IMPORTANT NOTES:

- Do not rush your installation. Take time and care during installation to achieve a professional finish.
- DO NOT USE SOLVENT BASED CONTACT ADHESIVES

Zintra panels can also be installed with different systems, such as:

- NEUTRAL CURE SILICONE
- SPLIT BATTEN
- DOUBLE SIDED TAPE
- PIN FIXING
- CABLE SYSTEM

Every application requires special attention and if unsure of which fixing method to use please contact Allplastics Engineering.

For assistance or recommendations on repairs for your Zintra panels please contact us - 02 8038 2000

Cleaning

Blot excess spills from material quickly as possible. Wipe with a damp cloth. If stains persists, apply small amounts of carpet shampoo cleaner mixed with water and a damp cloth. Blot well after each application.

Try this cleaning method in an inconspicuous place prior to a visible area

