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FITTINGS

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AUSTRALIAN MADE
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Quality System ™

Quality
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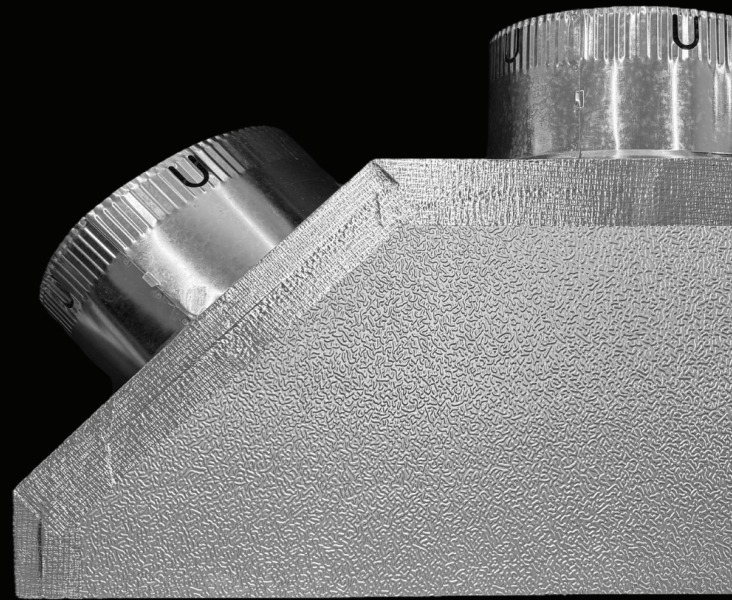
POLY BOARD
V-BOX - THREE WAY
PB-VB3

POLY BOARD V-BOX - THREE WAY
PB-VB3

PRODUCT DESCRIPTION AND APPLICATION

Airfoil's Australian Made 20mm Polyurethane Foam Pre-Insulated Poly Board V-Box Three Way (PB-VB3) is a light weight Fire Rated alternative to our Sheet Metal range.

The Poly Board aluminium sheeted exterior is coated with a 2g/m^2 resistant epoxy varnish further enhancing its insulation qualities guaranteeing durability and reliability.

Available in a range of options and sizes, the V-Box Three Way is designed to connect directly onto any specified air conditioning unit and can be tailored to suit specific needs.

Suitable for both commercial and domestic settings, where thermal and acoustic requirements are paramount, it stands as a testament to Airfoil's commitment to excellence in Poly Board solutions.

POLY BOARD V-BOX - TWO WAY
PB-VB3

PRODUCT SPECIFICATIONS AND INFORMATION

- **Product ordering code – PB-VB3**
- Australian Made and Designed
- Custom box widths and heights manufactured to suit air conditioning unit requirements (opening size)
- Available with optional Volume Control Damper Blade
- Mounted to air conditioning unit
- Manufactured from 20mm Polyurethane Foam (Pre-Insulated)
- Aluminium Outside / Black-Faced internal
- R-Value
- Light weight
- Coated with 2g/m^2 resistant epoxy varnish
- Density = 66kg/m^3
- Available with optional 20mm C-Extrusions cover attachment trim
- Easy installation
- Acoustic qualities
- Thermal qualities
- Customised oval spigots available to suit varying box height restrictions
- Spigot sizes available are 100mm, 150mm, 200mm, 250mm, 300mm, 350mm 400mm, 450mm, 500mm, 550mm and 600mm diameters
- Used for supply and return air in heating and cooling
- **Tested information available (AWTA)**
- Available in one or three way configurations
- Consult sales team for specific V-Box sizes
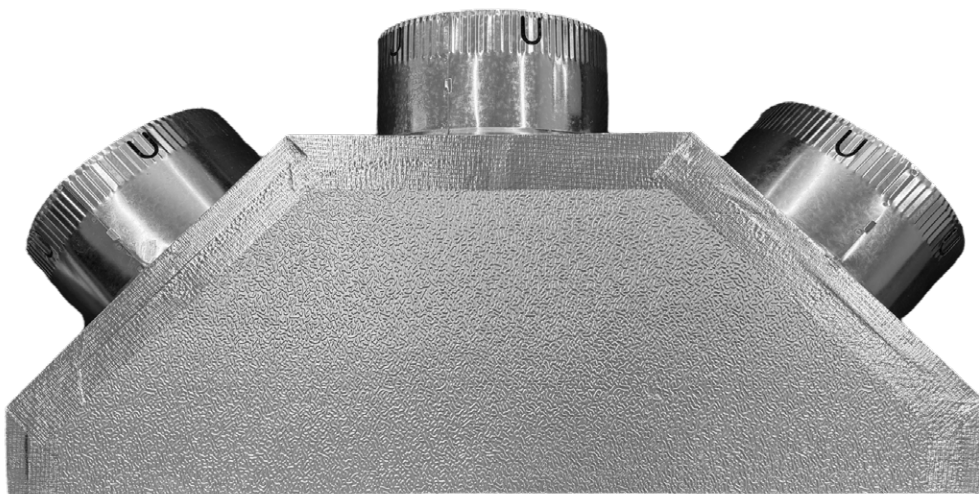
POLY BOARD V-BOX - ONE WAY
PB-VB3

V-BOX CONFIGURATION OPTIONS

V-Box Three Way (PB-VB3)


V-Box One Way (PB-VB1)


V-Box Two Way (PB-VB2)

POLY BOARD V-BOX - THREE WAY
PB-VB3

PU FOAM PRE-INSULATED PANEL (20MM THICK)

Polyurethane Foam Pre-insulated Panels consists of 20 mm thickness with aluminium foil, aluminium sheet or Galvanised Iron on both or either sides. The aluminium foil is coated with a $2g/m^2$ layer of corrosion-resistant epoxy varnish paint which also acts to reduce fungus and mold growth.
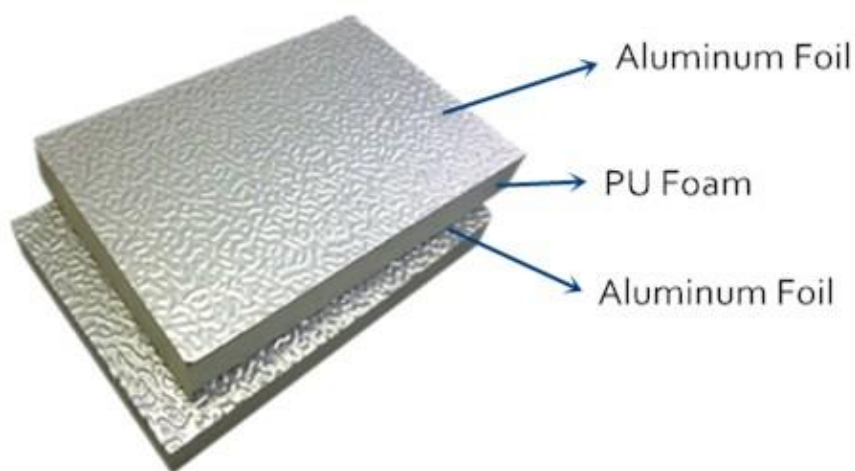

The aluminum foil can be produced in silver, white or black colour, with a smooth or embossed finish. The surface of the panel also can be aluminum sheet, GI or printed color steel, as per the images below:
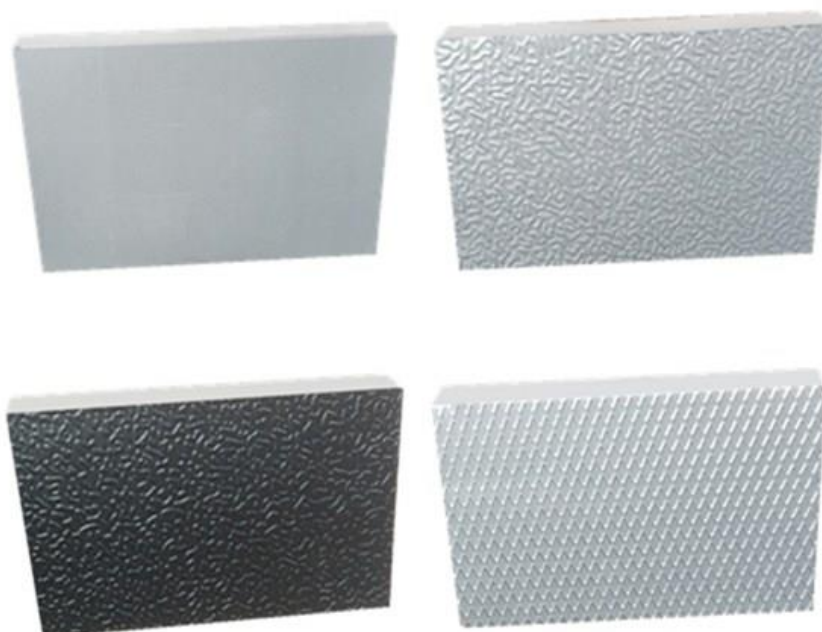
POLY BOARD V-BOX - THREE WAY
PB-VB3

TECHNICAL DATA
PU FOAM PRE-INSULATED PANEL (20MM THICK)

PROPERTY	UNIT	SPECIFICATION
Standard Size	mm	3950*1200*20
Foam Density	kg/m^3	50-55
Aluminium Foil Thickness	micron	80
Aluminium Sheet Thickness	micron	200
Thermal Conductivity	W/m.K	0.02
Thermal Resistance	R-Value	R1.0 (AS/NZS 4859 - ASTM C518 -2017)
Fire Rating	3 Zero	AS/NZS 1530.3-1999
Compressive Strength	Mpa	0.25
Bending Strength	Mpa	2
Water Absorption	%	0.01
Dimension Change	%	0.3
Maximum Wind Velocity	m/s	13-20
Maximum Running Temperature	°C	80
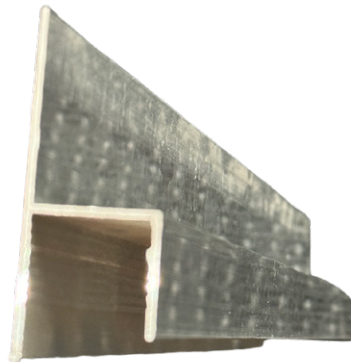
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