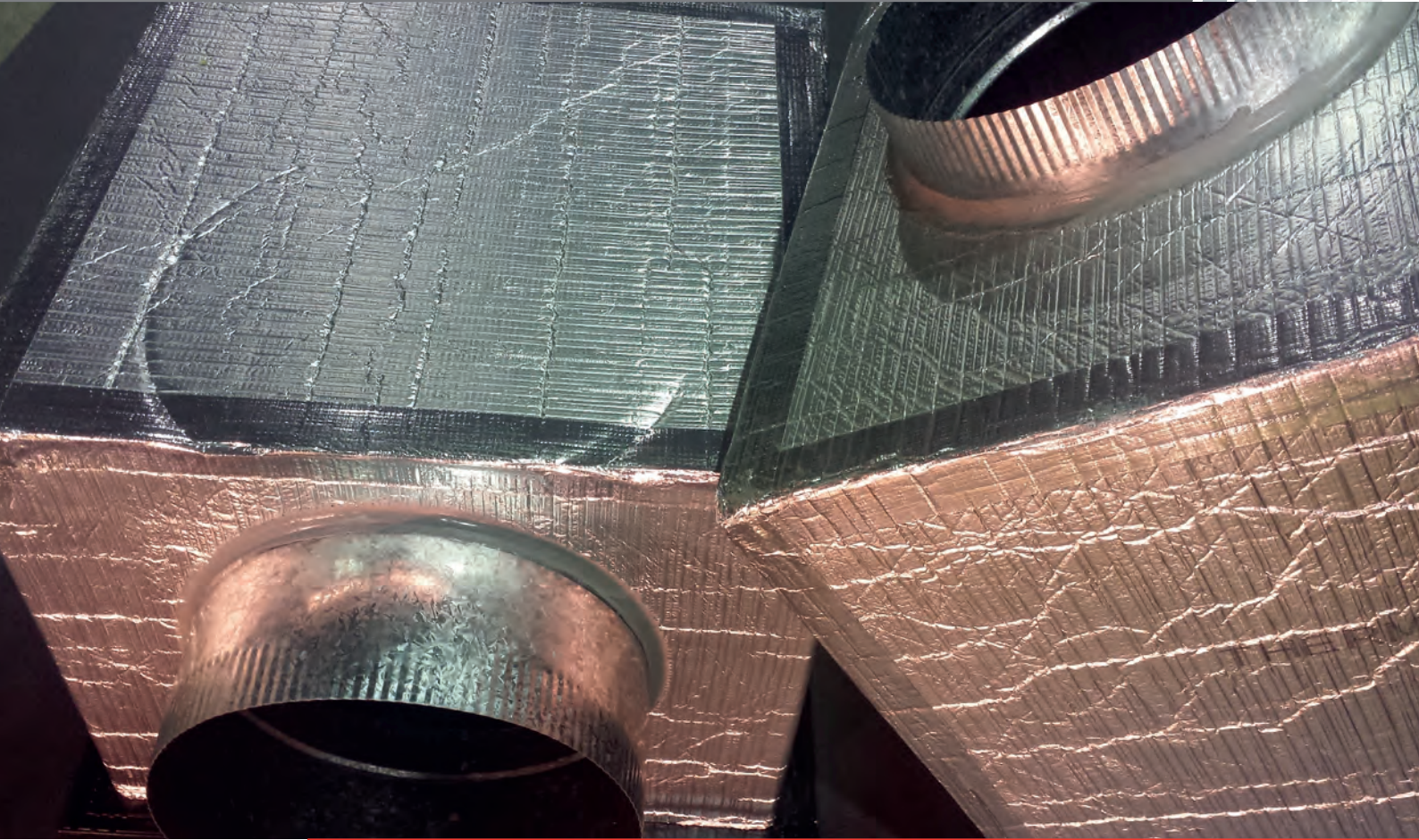


# **THERMOBREAK<sup>®</sup> Acoustibox**

## **THERMAL/ ACOUSTIC CUSHION HEAD AND PLENUM BOXES**



Thermobreak Acoustibox Cushion Head boxes are manufactured using a unique proprietary composite foam which is a 3 in 1 product. It is strong and stiff, eliminating the use of a heavy steel, and provides excellent thermal and acoustic properties allowing a single material be used to manufacture the cushion head box.

- As there is no metal, it is lightweight eliminating the need for rafter rod supports.
- Manufactured with various thicknesses to comply with NCC R values.
- Robust and strong allowing for ease of installation with minimal damage.
- Manufactured to fit the neck of all common registers.
- Can be supplied pre-assembled or flat packed in a two component pack for cost saving of transport.

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**PHYSICALLY  
CROSSLINKED**  
SEKISUI TECHNOLOGY

# THERMOBREAK<sup>®</sup> Acoustibox

## THERMAL/ ACOUSTIC CUSHION HEAD AND PLENUM BOXES

### Technical Data

Typical attenuation properties for Thermobreak AcoustiBox

Frequency	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
25 mm THBK Attenuation (dB) - R0.75	1.1	1.7	4.2	5.3	4.4	4.2
35 mm THBK Attenuation (dB) - R1.0	1.2	1.6	3.3	6.3	5.3	5.3
54 mm THBK Attenuation (dB) - R1.58	2.3	4.2	4.4	5.3	5.6	4.1

\*\*\* Above data relates to 595mm x 595mm x 450 mm High Cushion Head box. Significantly improved attenuation will be achieved with decreasing box dimensions

### Typical Properties

Thermal Conductivity (ASTM C518)	0.032 W/mK (@23° C, mean temperature)
Resistance To Fungi (ASTM G21)	Zero Growth
Ozone Resistance	Excellent
UV Resistance	Excellent (Use Thermobreak No Clad for outdoor applications)
Operating Temperature	-80° C to 100° C
Fire Compliance	AS1530.3 : 0, 0, 0, 0-1 UL 181.11

### Size Availability

Thermobreak Acoustibox material can be supplied:

**Option 1:** In sheets for in house processing – Std sheet sizes: 1200 wide x 2400 mm or 3000mm long.

**Option 2:** Pre cut boxes  
a) Flat pack for easy assembly on site  
b) Pre assembled boxes

\*\*\* Height of box = Spigot diameter + 100 mm + Wall thickness

The following sizes are standard.

Std Neck Sizes	200 x 200	250 x 250	300 x 300	350 x 350	400 x 400	450 x 450
Register Face Size	345 x 345	395 x 395	445 x 445	495 x 495	545 x 545	595 x 595

\*\*\* Other sizes are available on request.

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