Cane-ite or otherwise know as Softboard

Cane-ite is just right.

Are your rooms too hot or too cold? Then Cane-ite Softboard could be just the right solution. Cane-ite Softboard helps lower heating and cooling costs when used as a wall or ceiling lining. Thickness for thickness, it's a much better thermal insulator than metals, plasterboard, fibre cement, timber, concrete block or brick.
For optimum thermal insulation, use Cane-ite sheets in conjunction with thermal insulating batts or blankets.
Unpainted Cane-ite sheets also reduce sound reflection better than hard surfaces, such as cement render and other hard, smooth surfaced boards.

There's no ceiling to its uses.

Cane-ite is available in natural pine colour or painted an ivory colour on one side, ideal for ceilings.
Ivory Cane-ite sheets, for example, are ideal between exposed beams and give an attractive, high quality finish. Another excellent use, in either Cane-ite ivory or standard, is as a ceiling lining, under floor joists, for your downstairs rumpus room or workshop.

A big plus to work with.

Cane-ite Softboard is one or the easiest and least demanding boards to work with. Best results achieved using a sharp blade knife, a power saw or a fine tooth hand saw. Boards should always be cut face up.

Cane-ite surfaces and edges may be machine profiled using power routers, circular saws or moulding machines.

Installation

Fixing

If you are fixing boards vertically, nails, staples or adhesive can be used for secure fastening. Ceiling boards however, should be fixed with nails or staples. Adhesive may be used in conjunction with these fasteners.

Sealing

Before bonding to vertical framing or solid surfaces with adhesive, seal the back of Cane-ite sheets with shellac/methylated spirits or solvent borne proprietary sealer. Only seal areas where adhesive will be applied. Allow 2 hours to dry for shellac. Proprietary sealer needs 24 hours to dry. Always follow the sealer manufacturer's instruction.

Range

Product Details - Type and Sizes				
		Nominal Dimensions mm		
Type	Finish	Thickness	Width	Length
Standard	Natural	9.5	915	2440
		12.7	915 & 1220	1830
			1220	2440
				2745
				3660
		19.1	1220	2440
Ivory	Matt White	12.7	915 & 1220	1830
				2135
				2440
				2745
				3050
				3660
Shorts	Ivory	12.7	610	915
			915	1220

Adhesives

Wallboard or construction adhesives are generally suitable for use with Cane-ite Softboard. Follow the adhesive manufacturer's advice. (See also Sealing).

Finishing

Stop up holes with filler or mix of under coat and spackle. Apply finish paint coatings with roller, brush or spray and follow the paint manufacturer's instructions. Lightly sand between coats. Sound absorbing decorative fabrics or films such as hessian, burlap, wool, cotton or polyester fat may be bonded to the surface of Cane-ite sheets to help reduce sound reflection. The best results are achieved if the fabric is bonded before fixing and the material is wrapped around edges and returned on back.
PVA or sprayable contact adhesives are generally satisfactory. Please check with adhesive and fabric supplier.

Technical Properties

The table below is based on a consolidation of data from production and research centres. It is intended as a guide to the properties of Cane-ite Softboard. If more accurate information is required on these or any other properties please contact Carter Holt Harvey's Customer Service Centre.

	Average Value		
Property	Unit	9.5mm	12.7mm

Density (Mass/Unit Volume)	kg/m^3	260	265
Mass/Unit Area	kg/m^2	2.5	3.4
Hygro-expansivity (Increase in face dimension over the range of 50% to 90% Relative Humidity)	%	0.3	0.3
Thermal Conductivity	W/(m.K)	0.052	0.052
Thermal Resistance	m^2K/W	0.18	0.24

Early Fire Hazard Properties: Samples of standard and ivory Cane-ite were subjected to the Australian Standard AS 1530.3 Test for Early Fire Hazard Properties of Materials.

	Ignitability Index	Spread of Flame Index	Heat Evolved Index	Smoke Developed Index
Standard 9.5mm & 12.7mm	16	9	10	2
Ivory 12.7mm	12	0	2	5

Thermal insulation: The overall Thermal Resistance (R) of several conventional roof/ceiling constructions has been calculated using typical design values for common building materials. When compared with other popular ceiling linings which have (R) values in the vicinity of 0.074 m2K/W, Cane-ite significantly improves the thermal resistance of the structures.
The improvement is most evident on uninsulated structures, however, the overall thermal resistance of these structures may be below desirable levels. For energy conservation and savings in winter heating costs, additional bulk insulation i.e. fibreglass, rockwool etc. is recommended.

Roof/Ceiling Construction	Total Resistance Values $R\text{-}m^2K/W$				% Increase in total 'R' by use of Cane-ite Ceiling Lining	
	With Ceiling Lining R=0.074		With 12.7mm Cane-ite Ceiling Lining R=0.24			
Pitched tile roof, horizontal ceiling	.29	.75	.46	.92	56%	22%
Pitched tile roof, reflective ceiling insulation, horizontal ceiling	.55	1.8	.74	1.97	34%	9%
Pitched tile roof, horizontal ceiling, bulk insulation (R=2) over	2.29	2.75	2.46	2.92	7%	6%
Flat metal roof, bulk insulation (R=1.3), reflective foil, air space, horizontal ceiling	1.99	2.99	2.16	3.16	9%	6%
Flat metal roof, bulk insulation (R=2), reflective foil, air space, horizontal ceiling	2.38	2.45	2.55	2.61	7%	7%

Tolerances.

Thickness: (9.5 & 12.7mrn) O.7mm.
Length and Width: 3mm.
Edge Straightness: Edges shall not deviate from a straight line by more than 3.2mm. **Squareness:** The difference between diagonal measurements shall not exceed 6mm.

The orignal canite manfucturered by CSR then CHH and Fletcher wood products under license to CHH is no longer available , however there is alternatives that are coming into Australia from India and other overseas country which are similar to the the above sheets specs just ask your supplier for a MSDS and speciation sheet before buying.