ACCEL™

edition 18
February 2010

TECHNICAL SUPPLEMENT
Versilux® lining SOFFIT LINING

The information in this supplement and James Hardie's technical literature is only intended for use in relation to the relevant James Hardie products.

CERTIFIED ACCEL CONTENT

GENERAL

The James Hardie 9mm Versilux® Lining is available in 2700 x 1200mm and can provide an expressed joint panel appearance for building soffits, see Figure 1.

This Technical Supplement provides fastener spacings and top hat span tables for soffit applications of the 9mm Versilux® Lining. This document must be used in conjunction with the current James Hardie residential and commercial eaves and soffits fixing manual.

FRAMING

James Hardie recommends the use of intermediate top hats in this type of application. The James Hardie intermediate top hat spans for Versilux® soffit applications are provided in Table 1. An alternate product may be used instead of the James Hardie intermediate top hat. Refer to manufacturer for details on using the product in this type of application.

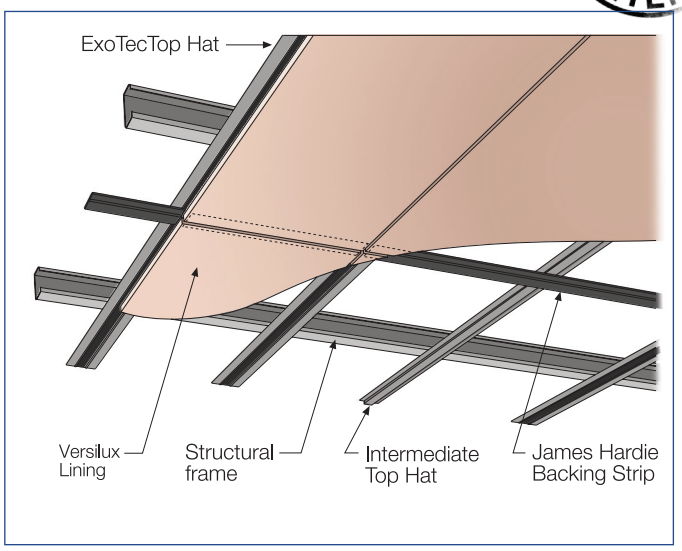

TABLE 1- MAXIMUM INTERMEDIATE JH TOP HAT SPANS (MM) FOR DESIGN WIND PRESSURES (9MM PANELS) ON VERSILUX® LINING AS SOFFITS. NOMINAL TOP HAT

Span Type	Nominal Top Hat Spacings (mm)	Design Wind Pressure (kPa)										
		1.0	1.5	1.75	2.0	2.25	2.5	2.75	3.0	3.5	4.0	5.0
Single Span	450	1590	1400	1340	1290	1240	1200	1160	1130	1080	1030	960
	600	1440	1280	1220	1170	1130	1090	N/A	N/A	N/A	N/A	N/A
Two Span Continuous	450	2130	1880	1800	1720	1660	1610	1540	1460	1330	1220	1060
	600	1930	1710	1630	1550	1440	1360	1280	N/A	N/A	N/A	N/A
Two Span Continuous	450	1960	1740	1660	1590	1530	1480	1440	1400	1300	1220	1060
	600	1780	1580	1500	1440	1390	1350	N/A	N/A	N/A	N/A	N/A

For more information visit our website www.accel.com.au

FASTENERS

The fastener spacings for soffit applications are provided in Table 2.

TABLE 2 - FASTENERS SPACINGS (9.0MM THICK LINING)			
Design Wind Pressure (Ultimate) (kPa)	Nominal Top Hat Spacing (mm)	Max Fasteners spacing at Sheet Edges (mm)	Max. Fasteners Spacing at Intermediate Top Hats (mm)
1.0	600	600	300
1.5	600	600	300
1.75	600	550	275
2.0	600	500	250
2.25	600	450	225
2.5	600	400	200
2.75	450	450	225
3.0	450	400	200
3.5	450	350	175
4.0	450	300	150
4.5	450	300	150
5.0	450	250	125

JOINTS

Panels are generally installed with a nominal 10mm wide expressed joint between adjacent panels. Joints across the top hat framing use the James Hardie backing strip behind the expressed joint. Joints in line with the top hat framing use a light gauge metal backing strip installed behind the Versilux® panels as shown in fig 3. Typical joint details are provided in figures 2 and 3.

NOTE
Do not fix Versilux® sheets through the metal backing strip.

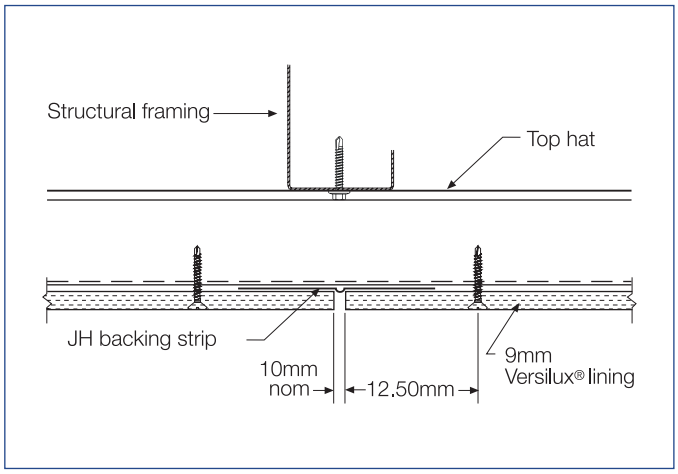

Figure 2 Expressed Joint: Perpendicular to top hats

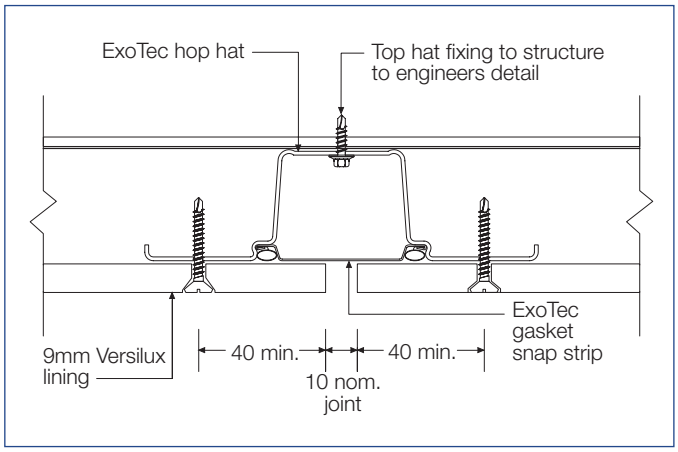

Figure 3: ExoTec Top hat with gasket snap strip

For further information on this application or information on other James Hardie products call the James Hardie CustomerLink™ Service Centre on 13 11 03.

Additional installation information, warranties, and warnings are available at www.jameshardie.com.au