



XFW 301A FOAM FOIL

HIGHER ENERGY MANAGEMENT

with **ENHANCED STRENGTH**

EnViro-tuff®



97% Radiant Heat Reflectivity

EnViro-tuff® radiant barrier dramatically improves energy efficiency of a building by effectively reducing up to 97% of radiant heat.



Moisture Barrier (WVTR)

EnViro-tuff® is a good vapour barrier which specially designed to prevent any penetration of water and moisture-laden air, guarding against condensation, rot and mildew.



UV + Heat Stability

EnViro-tuff® has the ability to maintain its physical size and properties under extreme temperature changes.



Energy Saving

EnViro-tuff® radiant barrier is designed to provide good insulation to improve energy performance of the building and save energy.



No Wire Netting

EnViro-tuff® being strong and durable is design without additional supporting material for installation.



SIRIM Certification

EnViro-tuff® fire rated series are tested and certified to Sirim Products Listing.



Acoustic Features

EnViro-tuff® foam foil range has noise reduction feature.



Fire Retardant

EnViro-tuff® fire rated series tested and complied with international standards such as BS 476 part 6 & 7, ASTM E84 and AS 1530.



**SAN MIGUEL YAMAMURA
WOVEN PRODUCTS SDN. BHD.**



SIRIM
ISO 9001 : 2008
Certification No: AR 0385

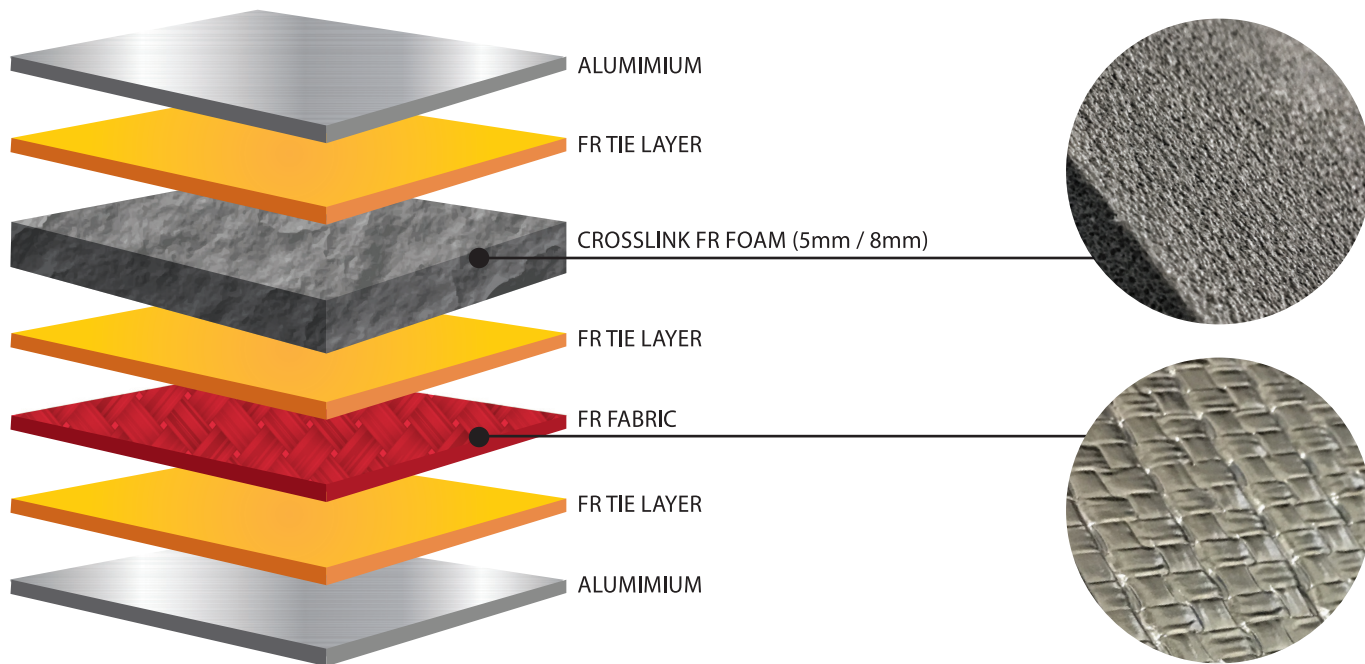


SIRIM
Certified To:
BS 476 : PART 6 : 1989 &
BS 476 : PART 7 : 1997
Certification No: LS096501

EnViro-tuff® the superior foil that is specially designed to meet global standards. It meets your needs for an effective and cost efficient protection from the ravages of harsh weather conditions.

EnViro-tuff® has high reflective properties. Rigorous tests are constantly conducted to ensure its durability & reliability. It is proven for its effectiveness, making it the ideal choice for providing optimum insulations against radiant heat & moisture vapour. Light in weight yet strong and durable.

EnViro-tuff® is designed for easy handling and offers superior quality at the fraction of the overall building cost.



XFW 301A - 5

Laminated Roll Specifications	CHARACTERISTIC		TEST METHOD	UNIT (SI)	SPECIFICATION
	Emissivity Aluminium Foil		ASTM E 408	Index	$\leq 0.05 (97 \pm 2\%)$
	Width		In house	mm	1250 ± 5
	Length		In house	m	Nominal $\pm 1.0\%$
	Grammage		In house	g/m ²	354 ± 50
	Thickness		In house	mm	5 ± 1
	Tensile Strength	MD	In house	N/50mm	≥ 420 ≥ 300
		CD			
	Elongation	MD	In house	%	≥ 20 ≥ 13
		CD			

XFW 301A - 8

Laminated Roll Specifications	CHARACTERISTIC		TEST METHOD	UNIT (SI)	SPECIFICATION
	Emissivity Aluminium Foil		ASTM E 408	Index	$\leq 0.05 (97 \pm 2\%)$
	Width		In house	mm	1250 ± 5
	Length		In house	m	Nominal $\pm 1.0\%$
	Grammage		In house	g/m ²	445 ± 50
	Thickness		In house	mm	8 ± 1
	Tensile Strength	MD	In house	N/50mm	≥ 500 ≥ 400
		CD			
	Elongation	MD	In house	%	≥ 23 ≥ 20
		CD			

FIRE RETARDANT TEST FOR XFW 301A			
CHARACTERISTIC	TEST METHOD	UNIT (SI)	SPECIFICATION
Fire Propagation of Material	BS 476 ; Part 6	Index	Pass (<6)
Sub-Index, i ₁			
Overall Performance Index	BS 476 ; Part 7	Class	Class 1
Surface Flame Spread Test			
Classification of Fire Hazard			Class O



San Miguel Yamamura Woven Products Sdn. Bhd. 182297-H

Lots 9 & 10, Jalan Usaha 4, Ayer Keroh Industrial Estate, 75450 Melaka, Malaysia.

Tel : 606-232 3898 (5 lines) Fax : 606-232 1437

www.smywoven.com

DISTRIBUTED BY: