

 foil™

WF402
WOVEN FOIL

EnViro-tuff®

ECONOMIC · QUALITY · RELIABILITY

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.



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



SIRIM
ISO 9001 : 2015
Certification No: QMS 00197



SIRIM
MS 2095 : 2014
PC000947



SIRIM
BS 476 : PART 6 : 1989 &
BS 476 : PART 7 : 1987
Reg No LS096501

**CIDB PPS REG. NO:
1140425ML0002**

CHARACTERISTIC	TEST METHOD	UNIT (SI)	SPECIFICATION	CLASSIFICATION
Grammage	BS EN 965	g/m ²	130 ± 15	-
Tensile Strength	MD	AS/NZS 1301.448s	> 7.5	Light
	CD		> 4.5	
Edge Tear Resistance	TAPPI T470	N	> 45	
Vapour Barrier	ASTM E 96	µg/N.s	≥ 0.14	Low
Emittance	ASTM C1371	Index	≤ 0.05	Single Sided Reflective
Thermal Resistance	ISO 8301/MS ISO 8302	m ² K/W	1.262	-

Laminated Roll Specifications

WF402 (AL/MPET)

FIRE RETARDANT TEST FOR WF402		
CHARACTERISTIC	TEST METHOD	SPECIFICATION
Fire Propagation of Material Sub-Index, i_1	BS 476 ; Part 6	<6
Overall Performance Index		<12
Surface Flame Spread Test	BS 476 ; Part 7	Class 1
Classification of Fire Hazard		Class 0



5 layers FR compliance composite structure made up of double sided reflective material (Aluminium & Metalized) bonded to reinforce high density polyethylene woven fabric by special material



CIDB PPS REG. NO:
1140425ML0002

Premium Quality at Competitive Prices



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 is specially designed to prevent any penetration of water and moisture-laden air, guarding against condensation, rot and mildew.



Lightweight
Enviro-tuff® is lightweight and strong, thus it makes installation work much efficient.



UV + Heat Stability
Enviro-tuff® has the ability to maintain its physical size and properties under extreme temperature changes.



Tear & Puncture Resistance
Enviro-tuff® is strong and has high tear resistant feature due to its superior reinforcement.



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.



No Wire Netting
Enviro-tuff® being strong and durable is design without additional supporting material for installation.



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



SIRIM Certification
Enviro-tuff® fire rated series are tested and certified to Sirim Products Listing.

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

Sample of Specification

V-Foil Enviro-tuff (WF402) Fire Retardant Woven Foil With Aluminium Foil And (Aluminium / Metalized) Foil Bonded To High Density Polyethylene Woven Fabric.
Details in accordance with manufacturer's instructions.