

Extreme
ENVIRONMENT USE

Enhance HEAT INSULATION
PERFORMANCE with both sides high reflective surface

Extra PROTECTION
with LOW-E COATING Technology

ECONOMIC · QUALITY · RELIABILITY

EnViro-tuff[®]

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.



ISO 9001 : 2015
Certification No: QMS 00197



MS 2095 : 2014
PC000947



BS 476 : PART 6 : 1989 &
BS 476 : PART 7 : 1997
Reg No LS096501

CIDB PPS REG. NO:
1140425ML0002

WF 402AE

WOVEN FOIL

Enviro-tuff®

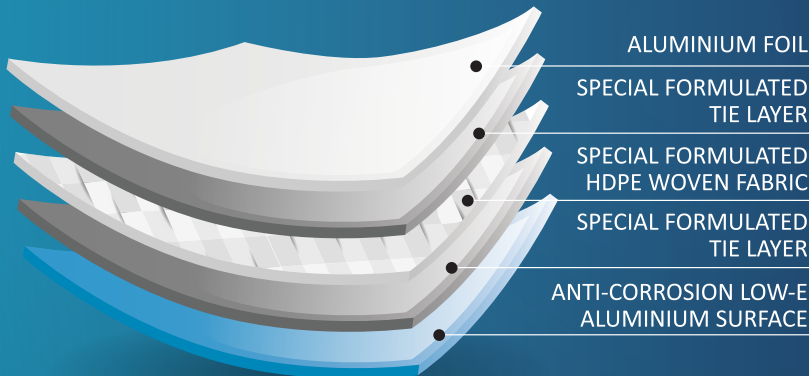
V foil™

CHARACTERISTIC	TEST METHOD	UNIT (SI)	SPECIFICATION
Width	In-house	mm	Nominal ± 5
Length	In-house	m	Nominal (<50) ± 2.0% Nominal (≥50) ± 1.0%
Grammage	BS EN 965	g/m ²	130 ± 15
Duty			Medium
Tensile Strength	MD CD AS/NZS 1301.448s	kN/m	> 9.5 > 6.0
Emittance	ASTM C1371	Index	≤ 0.05

Laminated Roll Specifications

WF 402AE (AL/Anti-Corrosion Low-E Aluminium Surface)

FIRE RETARDANT TEST WF 402AE		
CHARACTERISTIC	TEST METHOD	SPECIFICATION
Fire Propagation of Material Sub-Index, i_1	BS 476 ; Part 6	Pass (<6)
Overall Performance Index		Pass (<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 & Anti-Corrosion Low-E Aluminium Surface) bonded to reinforce special formulated high density polyethylene woven fabric by special material



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Premium Quality at Competitive Prices



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.



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



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.



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



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- Able to support 80kg/m³ wool
Enviro-tuff® being strong and durable is design without additional supporting material for installation.



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



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



Anti-Corrosion
Enviro-tuff® with anti-corrosion protection



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Sample of Specification

V-Foil Enviro-tuff (WF 402AE) Fire Retardant Woven Foil With Aluminium Foil And (Aluminium / Anti-Corrosion Low-E Aluminium Surface) Foil Bonded To Reinforce Special Formulated High Density Polyethylene Woven Fabric.

Details in accordance with manufacturer's instructions.