

Comparison Table to Fake product sold as Super Polynum

Properties	Generic and none tested Foil insulation product	Super Polynum™ Insulation 4mm thick
Heat Resistance parameters:		
Confirmed & Certified R value based on Australian standards	1.688 m2 K/W	2.72 to 4.20 m2 K/W
Heat Resistance Tested for ASTM hot box method	NO	YES
Emissivity (tested and certified)	0.28	0.03
Reflectivity (tested and certified)	0.72	0.97
R Value testing Moisture	RH = 0	RH = 70%
Aluminum thickness (Certified)	6 micron	8 or 18 micron
Product durability and stability:		
Anti Corrosion (Essential for performances in hot and humid places) tested according to AS/NZS standards	No	YES
Fungi resistance (ASTM TESTED)	No	YES
Tested for Wet delaminating (AS/NZS Certified)	No	YES
Tested for Dry delaminating (AS/NZS Certified)	No	YES
Manufacture Production process	Semi heat lamination with in-line PE cast	Full heat lamination PE sheets are made off line
Aluminum lamination to PE bubbles	Chemical glue at one side, heat in other side	Both sides are heat laminated glue free process
Control over PE sheets in terms of quality and uniformity	NONE	FULL
Average life time based on feedback for existing customers	Less than 1 year	Life Time
Durability RISK	HIGH	NONE
Warranty	Not sure	7 to 25 yrs
FIRE and SAFETY matters ALL MUST BE TESTED AND CERTIFIED:		
Surface Flame Spread BS 476 Part 6 and part 7 (LISTING WITH PSB IN SINGAPORE)		
Class 1	NONE	YES
Class 0	NONE	YES
AS/NZS 1530.3 (Must be lower than 1.00)		
Mean Ignition	NONE	YES
Mean fire propagation	NONE	YES
Mean Heat Release	NONE	YES
Mean Smoke Release	NONE	YES

AS/NZS 1530.02 (Vertical edges test)		
Product flammability INDEX shall be LOWER than 5	NONE	YES
French and European M1 standard		
Surface Flame Spread	NONE	YES
French and European M1 standard		
PE Bubbles Non-Dripping during fire	NONE	YES
DIN 4102 German fire standard		
Surface Flame Spread B1	NONE	YES
ASTM E 84 (USA standard)		
Flame spread classification and smoke density CLASS 1	NONE	YES
UL 723	NONE	YES
Product Technical Approvals (product is certified as insulation)		
Australia and New Zealand	NONE	YES
European (EU) Community	NONE	YES
Japan (JIS)	NONE	YES
Manufacture certificates with related to INSULATION		
ISO 9000 2002	NONE	YES
ISO 5660-1	NONE	YES
HACCP approved factory	NONE	YES
BRC Approved factory	NONE	YES
Approvals are monitored by BVQI	NONE	YES
Safety matters:		
Fire classification	Not Sure	Class 0&1
Smoke classification	Not Sure	Class A (60)
Green Approvals		
ECOSPECIFIER (PART OF LEED) approved product	NONE	YES
Geen council of Australia	NONE	YES
Green Mark of Israel	NONE	YES
NEA (National Environment Agency) of Singapore	NONE	YES
Green Building of Malaysia	NONE	YES
Product configuration and selection		
ACID Proof line	NONE	YES
Patented products	NONE	YES
MULTI layers products	NONE	YES
New products development	NONE	YES
Sound barrier products	NONE	YES
Support and knowledge		
Active member of RIMA and AFIA	NONE	YES
Interactive websites	NONE	YES
Projects thermal evaluation	NONE	YES