



Fire Retardant Class 1

Fire retardant double-sided aluminium foil reinforced with glass fibre scrim

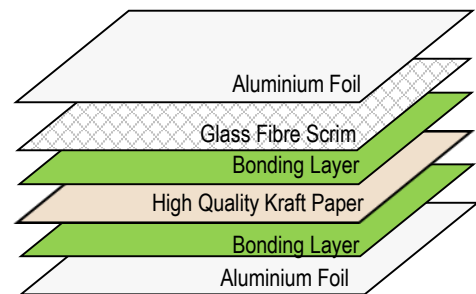
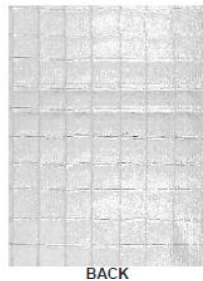
TAC-820BS is a six (6) layer fire retardant double-sided radiant barrier. It is an excellent thermal insulation foil either used on its own or laminated onto other insulation materials. It has superior radiant heat reflective properties by reflecting ~95% of radiant heat. **TAC-820BS** is a SIRIM certified product in accordance to British Standard 476 part 7 for Fire Safety Hazards Requirement.

TAC-820BS is an environmental friendly green product recognised through Green Building Index (GBI) by MGBC.

TAC-820BS is a lamination of both sides pure aluminium foil and high quality kraft paper reinforced with glass fibre scrim. The property of pure aluminium enhances the reflective index. The glass fibre scrim and high quality kraft paper increases its tensile strength. **TAC-820BS** is lightweight, heavy duty in performance and does an excellent job at providing thermal insulation.

APPLICATIONS

- As a radiant barrier under all types of roof coverings in commercial, industrial and residential building.
- Can be used simultaneously with mineral wool in the form of felts, lamella mat, plain slab, facing to ceiling boards and duct insulation for air-conditioning.



SPECIFICATION	STANDARD	UNIT	RANGE
Grammage	Electronic Scale	GSM	110 - 140
Thickness	Digital Caliper	micron	150 - 180
Resistance to Dry Delamination	90°C for 24 hours	-	Pass
Resistance to Wet delamination	24H at 90±2%RH	-	Pass
Reflectivity / Emissivity	Supplier's specification	%	≥ 95% / ≤ 5%
Water Vapor Transmission	ASTM F1249-06	g/m ² /day	0.04 - 0.06
Tensile Strength			
Machine Direction (MD)	In-house (eq. ASTM D882)	N/25mm	90 - 120
Cross Direction (CD)	In-house (eq. ASTM D882)	N/25mm	45 - 65
Elongation			
Machine Direction (MD)	In-house (eq. ASTM D882)	%	2 - 4
Cross Direction (CD)	In-house (eq. ASTM D882)	%	2 - 4
Edge Tear Resistance			
Machine Direction (MD)	In-house (eq. TAPPI T470)	N	30 - 50
Cross Direction (CD)	In-house (eq. TAPPI T470)	N	25 - 45
Puncture Resistance	In-house	N	13 - 15

Technical information provided represents average result of tests conducted under standard procedure and is subject to variation. No guarantee can be made regarding specific applications or patent rights.



FOIL LAMINATE INDUSTRIES SDN BHD (343587-X)

Factory / HQ: 1139, Lorong Perindustrian Bukit Minyak 11, Taman Perindustrian Bukit Minyak, 14100 Simpang Ampat, Penang, Malaysia.

Tel: 604-5011999 Fax: 604-5011991 Email: ask@foil-laminate.com

Branch Office: 11 (1st Floor), Jalan PJS 9/5, Bandar Sunway, 46150 Petaling Jaya, Selangor, Malaysia

Tel: 603-56214868 Fax: 603-56214878 Email: ask@foil-laminate.com

www.foil-laminate.com

