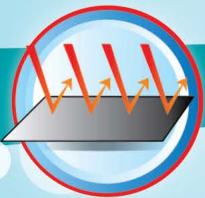


SUN-FOIL®

Bubble Foam Series

New and Improved Version

Certified by CIDB



Excellent Reflectivity



Chicken Wire Mesh
(Not Required)



Edge Tear Resistance
(Resulting in Low Wastage)



Moist Barrier
Non-Delamination
(When Soak In Water)



Easy Installation
(Cost Effective)



Noise Reduction

BEB-FR

Product Description

SUN-FOIL® BEB-FR is used as insulation against radiant heat transfer and can be used to its greatest advantage in instances where radiation is the predominant means of heat transfer.

SUN-FOIL® BEB-FR is an excellent reflector of all long wave radiant heat that strikes it - **- REFLECTIVE OF UP TO 99% of all radiant heat.**

Fire Attributes

BEB-FR is classified as Class "O" in accordance to fire tests on building material and structures.

- i.) British Standard, BS 476-6 : Fire Propagation Test
- ii.) British Standard, BS 476-7 : Surface Spread of Flame Test

Thermal Properties

R-value, thermal resistance varies depending on the roof design and total roof configuration. Please contact our specialist for roof system that complying UBBL and Malaysia Standards.

Awards & Certificates

- Malaysia Standard - MS 2095, SIRIM QAS International Sdn. Bhd.
- ISO 9001: 2015 & ISO 14001: 2015
- Jabatan Bomba dan Penyelamat Malaysia
- CIDB Malaysia
- Malaysia Green Building Confederation (MGBC)
- Asian Reflective Foil Association (ARFA)



CIDB PPS REG. NO:
1160504ML0121



CERTIFICATE NUMBER: JQS-23-0557, JES-23-0284

BUBBLE FOAM FOIL (Fire Retardant)

SUN-FOIL®BEB-FR is double sided made by high reflectivity pure aluminium and a high quality aluminium film bonded with two layers of 10mm bubble diameter FR polyethylene bubble sheet and a layer of EPE Foam. It provides excellent insulation properties and effective radiant barrier.

SUN-FOIL®BEB-FR is designed light-weight. It is easy to install as it does not require mesh due to high tensile strength and edge tear resistance.

SUN-FOIL®BEB-FR is also flame retardant, waterproof, non-toxic, bacteria free, fungus and corrosion resistant.

TECHNICAL DATA

Description	Test Method	Unit	Value
Grammage	In House	g/m ²	500 ± 50
Thickness	In House	mm	12.0 ± 1.0
Tensile Strength	AS/NZS 1301:448s	kN/m	MD ≥ 6.0 ± 1.0 CD ≥ 6.0 ± 1.0
Edge Tear	TAPPI T470	N	MD ≥ 200 ± 50 CD ≥ 200 ± 50

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

BQ SPECIFICATION

One layer of approved YH “SUN-FOIL” BEB-FR (500g/m²) Double Sided Fire Retardant Bubble Foam Foil with total 12 mm thickness consists a layer of 5mm thick Black PE Foam bonded with two layers of bubble approved with MS 2095.

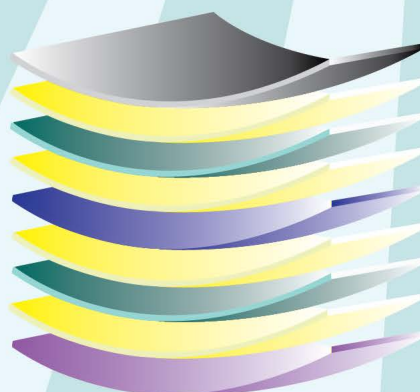
FIRE RETARDANT TEST FOR BEB-FR

CHARACTERISTIC	TEST METHOD	SPECIFICATION
Fire Propagation of Material Sub-Index, i_1, i_2, i_3 Overall Performance Index	BS 476 ; Part 6	< 6 < 12 (Sirim Report 2020FE0690)
Surface Flame Spread Test	BS 476 ; Part 7	Class 1 (Sirim Report 2020FE0691)
Classification of Fire Hazard		Class O



BEB-FR

Standard Roll Size: W 1.20m x L 25m



- Pure Aluminium
- FR PE Tie Layer
- FR Bubble Sheet
- FR PE Tie Layer
- EPE Foam
- FR PE Tie Layer
- FR Bubble Sheet
- FR PE Tie Layer
- Aluminium Film

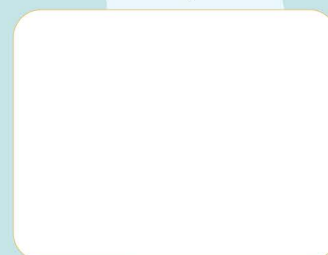


YH LAMINATED PRODUCTS SDN. BHD. (959828-V)

Main Office : Lot 2996, Jalan PK 6, Kawasan Perindustrian Krubong, 75250 Melaka.
Sales Office : Lot 8352, Jalan PK 8E, Kawasan Perindustrian Krubong, 75250 Melaka.
Factories : Lot 2995, Lot 8342, Lot 8343, Lot 8349, Lot 8350, Kawasan Perindustrian Krubong, 75250 Melaka.

Sales Office Tel : +606-337 2170
Fax (Sales) : +606-335 7170
Fax (Finance) : +606-335 7199

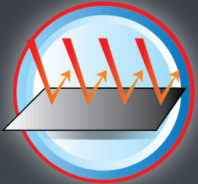
Distributed by:





SUN-FOIL®

Premium Series



Excellent Reflectivity
(99% on both surface)



Chicken Wire Mesh
(Not Required)
Extra Heavy Duty
Tensile Strength



Edge Tear Resistance
(Extra Heavy Duty)



Moist Barrier
Non-Delamination
(When Soak In Water)



Easy Installation
(Cost Effective)



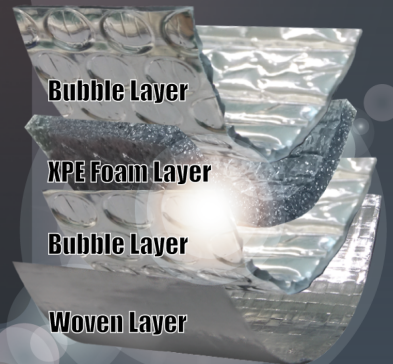
Noise Reduction

BXB-FR+

Product Description

SUN-FOIL® BXB-FR+ is used as insulation against radiant heat transfer and can be used to its greatest advantage in instances where radiation is the predominant means of heat transfer.

SUN-FOIL® BXB-FR+ is an excellent reflector of all long wave radiant heat that strikes it - **DOUBLE SIDED REFLECTIVE OF UP TO 99%** of all radiant heat.



Fire Attributes

BXB-FR+ is classified as Class "O" in accordance to fire tests on building material and structures.

- i.) British Standard, BS 476-6 : Fire Propagation Test
- ii.) British Standard, BS 476-7 : Surface Spread of Flame Test

Thermal Properties

R-value, thermal resistance varies depending on the roof design and total roof configuration. Please contact our specialist for roof system that complying UBBL and Malaysia Standards.

Awards & Certificates

- Malaysia Standard - MS 2095, SIRIM QAS International Sdn. Bhd.
- ISO 9001: 2015 & ISO 14001: 2015
- Jabatan Bomba dan Penyelamat Malaysia
- CIDB Malaysia
- Malaysia Green Building Confederation (MGBC)
- Asian Reflective Foil Association (ARFA)

IMPRESSIVE APPEARANCE



MAXIMIZE STRENGTH



CIDB PPS REG. NO:
1160504ML0121



ISO 9001:2015, ISO 14001:2015
CERTIFICATE NUMBER: JQS-23-0557, JES-23-0284

SUN-FOIL® BXB-FR+ is made by double sided high reflectivity pure aluminium bonded with two layers of 10mm bubble diameter FR polyethylene bubble sheet and a layer of XPE Foam reinforced with FR HDPE woven fabric. It provides excellent insulation properties and effective radiant barrier.

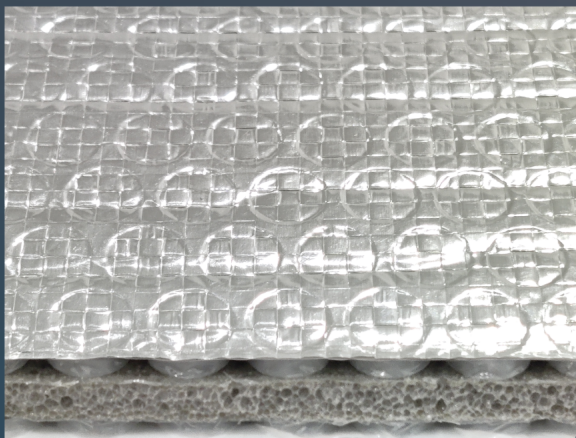
SUN-FOIL® BXB-FR+ is designed light-weight. It is easy to install as it does not require mesh due to extra high tensile strength and edge tear resistance.

SUN-FOIL® BXB-FR+ is also flame retardant, waterproof, non-toxic, bacteria free, fungus and corrosion resistant.

TECHNICAL DATA			
Description	Test Method	Unit	Value
Grammage	In House	g/m²	550 ± 50
Thickness	In House	mm	10.0 ± 1.0
Tensile Strength	AS/NZS 1301:448s	kN/m	MD ≥ 10.0 ± 2.0 CD ≥ 10.0 ± 2.0
Edge Tear	TAPPI T470	N	MD ≥ 200 ± 20 CD ≥ 200 ± 20

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

BQ SPECIFICATION	FIRE RETARDANT TEST FOR BXB-FR+		
One layer of approved YH “SUNFOIL” BXB-FR+ Plus (550g/m2) Double Sided Fire Retardant Pure Aluminium Bubble Foam Foil with total of 10mm thickness consists a layer of 5mm XPE Foam bonded with two layers of bubble reinforced with a layer of 10 x 10 inch woven fabric approved with MS 2095.	CHARACTERISTIC	TEST METHOD	SPECIFICATION
	Fire Propagation of Material Sub-Index, i ₁ , i ₂ , i ₃ Overall Performance Index	BS 476 ; Part 6	< 6 < 12 (Sirim Report 2020FE0688)
	Surface Flame Spread Test	BS 476 ; Part 7	Class 1 (Sirim Report 2020FE0689)
	Classification of Fire Hazard		Class O



BXB-FR+ Standard Roll Size: W 1.20m x L 25m



- Pure Aluminium
- FR PE Tie Layer
- FR Bubble Sheet
- FR PE Tie Layer
- XPE Foam
- FR PE Tie Layer
- FR Bubble Sheet
- FR PE Tie Layer
- FR HDPE Woven Fabric
- FR PE Tie Layer
- Pure Aluminium



YH LAMINATED PRODUCTS SDN. BHD. (959828-V)

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