

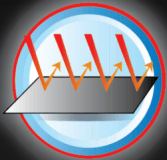


CIDB PPS REG. NO: 1160504ML0121

SUN-FOIL®

Premium Series

SB400-FR+



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)

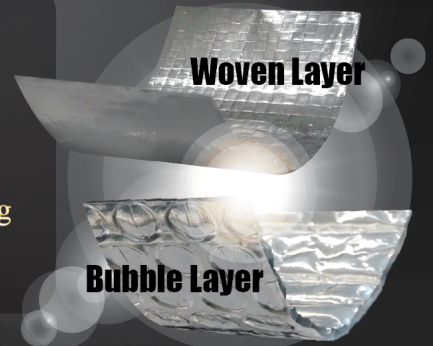


Noise Reduction

Product Description

SUN-FOIL® SB400-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® SB400-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

SB400-FR+ is classified as Class "O" in accordance to fire tests on building material and structures.

- British Standard, BS 476-6 : Fire Propagation Test
- 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 & ISO 45001: 2018
- Jabatan Bomba dan Penyelamat Malaysia
- CIDB Malaysia
- Malaysia Green Building Confederation (MGBC)
- Asian Reflective Foil Association (ARFA)

IMPRESSIVE APPEARANCE



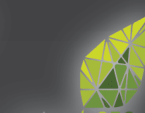
MAXIMIZE STRENGTH



SIRIM
ECO-LABEL
SIRIM ECO 084: 2019
LICENCE NO: EL000203
RESTRICTED HAZARDOUS SUBSTANCES
RESTRICTED TOXIC SUBSTANCES
35 - 40% ENERGY REDUCTION



SIRIM
MS 2095



MyHP00220/22

PRODUCT REUSE GUIDE



SUN-FOIL®SB400-FR+ is made by double sided high reflectivity pure aluminium bonded with a layer of 25mm bubble diameter FR polyethylene bubble sheet reinforced with a layer of FR HDPE woven fabric. It provides excellent insulation properties and effective radiant barrier.

SUN-FOIL®SB400-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®SB400-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	380 ± 100
Thickness	In House	mm	9.0 ± 2.0
Tensile Strength	AS/NS 1301:448s	kN/m	MD ≥ 10.0 ± 2.0 CD ≥ 10.0 ± 2.0
Edge Tear	TAPPI T470	N	MD ≥ 250 ± 50 CD ≥ 250 ± 50

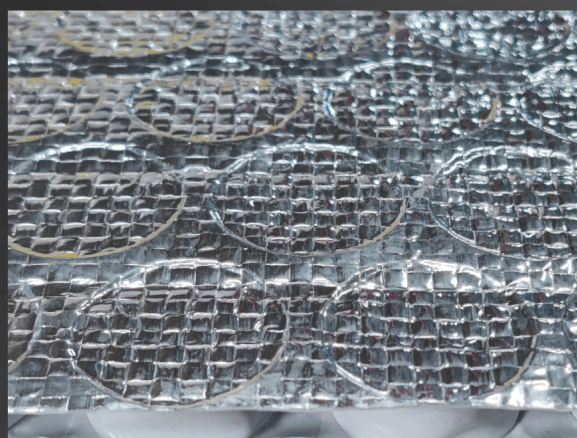
Technical Information provided represent average result of tests conducted under standard procedure and is subject to variation.
No guarantee can be made regarding specific applications or patent rights.

BQ SPECIFICATION

One layer of approved YH “SUNFOIL” SB400-FR+ Plus (380g/m²) Double Sided Fire Retardant Pure Aluminium Bubble Foil with 9mm thickness and 25mm bubble diameter reinforced with a layer of 10 x 10 inch woven fabric approved with Sirim Eco Label (35-40% energy reduction) and MS 2095.

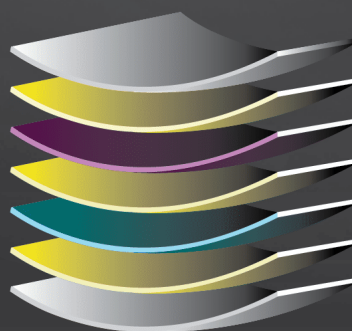
FIRE RETARDANT TEST FOR SB400-FR+

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 2025FE0753)
Surface Flame Spread Test	BS 476 ; Part 7	Class 1 (Sirim Report 2025FE0754)
Classification of Fire Hazard		Class O



SB400-FR+

Standard Roll Size: W 1.20m x L 30m



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



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 SE, Kawasan Perindustrian Krubong, 75250 Melaka.
Factories : Lot 2995, Lot 8342, Lot 8343, Lot 8349, Lot 8350, Lot 8407, Lot 8416, Kawasan Perindustrian Krubong, 75250 Melaka.

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