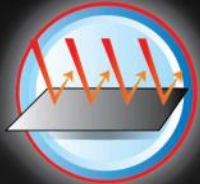




# SUN-FOIL®

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

# SB400-FR+

## 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.

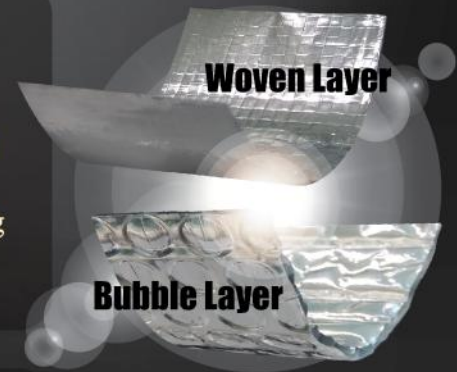
- i.) British Standard, BS 476-6 : Fire Propagation Test
- ii.) British Standard, BS 476-7 : Surface Spread of Flame Test

## Thermal Properties

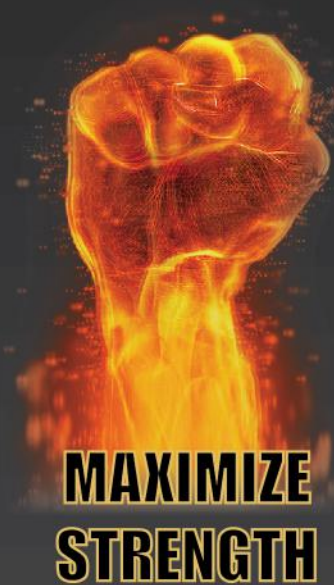
SB400-FR+ is tested in accordance to MS 2095, ISO 8301 / MS ISO 8302 for thermal resistance, R-value 1.953 mK/w

## Awards & Certificates

- Malaysia Standard - MS 2095, SIRIM QAS International Sdn. Bhd.
- ISO 9001: 2015, Guardian Independent Certification
- 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

**SUN-FOIL® SB400-FR+** is made by double sided high reflectivity pure aluminium bonded with a layer of 25mm 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 <sup>2</sup>	380 ± 100
Thickness	In House	mm	9.00 ± 1.0
Tensile Strength	In House	N/50mm	MD ≥ 500 ± 50 CD ≥ 500 ± 50
Elongation	In House	%	MD ≥ 30 CD ≥ 30

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.

**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 2019FE0147)
Surface Flame Spread Test	BS 476 ; Part 7	Class 1 (Sirim Report 2019FE0148)
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



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 Factory : Lot 2995, Jalan PK 11, Kawasan Perindustrian Krubong, 75250 Melaka.  
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