

# SUN-FOIL®

## PA2-FR

### SPECIALISED FOR HVAC DUCTING

#### Product Description

SUN-FOIL® PA2-FR is used as insulation against radiant heat transfer and can be used to its greatest advantage in instance where radiation is the predominant means of heat transfer.

SUN-FOIL® PA2-FR is an excellent reflector of all long wave radiant heat that strikes it - **DOUBLE SIDED REFLECTIVE OF UP TO 98%** of all radiant heat.

#### Fire Attributes

PA2-FR is classified as Class "O" in accordance to fire tests in building material and structures.

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

#### Awards & Certificates

- TUV SUD PSB Singapore
- ISO 9001: 2015, Guardian Independent Certification
- Jabatan Bomba dan Penyelamat Malaysia
- Malaysia Green Building Confederation (MGBC)
- Asian Reflective Foil Association (ARFA)



Excellent Reflectivity  
(98% on both surface)



Light Weight  
(Yet Heavy Duty)



Edge Tear Resistance  
(Extra Heavy Duty)



Moist Barrier  
Non-Delamination  
(When Soak In Water)



Easy Installation  
(Cost Effective)



BOMBA



ISO 9001 : 2015



malaysia



JUATAN  
MALAYSIA



**SUN-FOIL® PA2-FR** is made by double sided high reflectivity pure aluminium bonded with a layer of kraft paper strengthen with a layer of reinforcement scrim. It provides excellent insulation properties and effective radiant barrier.

**SUN-FOIL® PA2-FR** is designed light-weight. It is easy to install due to extra high tensile strength and edge tear resistance.

**SUN-FOIL® PA2-FR** is also flame retardant, waterproof, non-toxic, bacteria free, fungus and corrosion resistant.

#### TECHNICAL DATA

| Description                  | Test Method   | Unit             | Value                      |
|------------------------------|---------------|------------------|----------------------------|
| Grammage                     | ASTM D 5261   | g/m <sup>2</sup> | 165 ± 30                   |
| Thickness                    | ASTM D 1777   | µm               | 150 ± 10                   |
| Tensile Strength             | ASTM D 5035   | N/50mm           | MD 300 = 50<br>CD 300 = 50 |
| Elongation                   | ASTM D 5035   | %                | MD 8 = 3<br>CD 8 = 3       |
| Resistance to Dry Lamination | AS/NZS 4201.1 | No Delamination  | Pass                       |
| Resistance to Wet Lamination | AS/NZS 4201.2 | No Delamination  | Pass                       |
| Shrinkage                    | AS/NZS 4201.3 | <0.5%            | Pass                       |

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 PA2-FR

| CHARACTERISTIC                                                                          | TEST METHOD     | SPECIFICATION |
|-----------------------------------------------------------------------------------------|-----------------|---------------|
| Fire Propagation of Material<br>Sub-Index, $i_1, i_2, i_3$<br>Overall Performance Index | BS 476 ; Part 6 | < 6<br>< 12   |
| Surface Flame Spread Test                                                               | BS 476 ; Part 7 | Class 1       |
| Classification of Fire Hazard                                                           |                 | Class 0       |

# PA2-FR

Standard Roll Size: W 1.25m x L 45m



Distributed by:

