



Bradmill Outdoor Fabrics



Bradmill Outdoor Fabrics Pty Ltd

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PRODUCT INFORMATION

BRELLA® FIREFOIL® with BIONIC FINISH®
Solid Pigment Coloured Flame Retardant Awning Canvas
with Soil Release Properties

Features: Brella® FireFoil® is a flame retardant, water-resistant and air-permeable canvas, which provides opacity, and excellent sun protection. Brella® FireFoil® is flame retarded, water and rot resistant coated and coloured with pigments that have excellent light-fastness. The Bionic Finish® is a unique finish that provides excellent soil release properties.

Finish: Solid pigment coating on face and back with flame retardant, water and rot resistant properties. The product is post treated with the Bionic Finish® which imparts soil release properties.

Fibre content: 52% Polyester, 48% Cotton
Weave: Plain
Mass: Coated 570 g/m² (16.8 oz/yd²) Nominal
Width: 200 cm
Roll length: 30 m

Typical Performance:

Flame Retardancy:

AS/NZ3837-1988* Ave. Heat Release Rate: 45.7 kW/m² Ave. Specific Extinction Area: 519 m²/kg
BCA Classification: Group Classification 2

*Data from AWTA test report No. 7-568038-BV

AS1530.2-1993* Flammability Index: 6 (Range 0-100)
Ignitability Index: 0 (Range 0-20)
Spread of Flame Index: 0 (Range 0-10)
Heat Evolved Index: 0 (Range 0-10)
Smoke Develop Index: 6 (Range 0-10)

* Data from AWTA test report No. 7-548702-BV

Strength: Breaking Force (N) (AS2001.2.3A) **Warp:** 2900 **Weft:** 1400
Tearing Force (N) (AS2001.2.10) **Warp:** 80 **Weft:** 40

Shrinkage:

Relaxation Shrinkage* (%) **Warp:** -4.0 **Weft:** +/-0.5

*The Relaxation Shrinkage test involves fully immersing test specimens in water & soaking for 24hrs followed by an ambient line dry. Results are calculated after 3 x 24hrs soak cycles. Relaxation Shrinkage results provide a good guide as to how the canvas will react to everyday use and are useful in determining the best way to cut and style products.

Colour Fastness:

Light Fastness (AS2001.4.21) 7-8
(Range: 1-Lowest to 8-Highest)

Oil Repellency:

(Range: 1-Lowest to 6-Highest) 6



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End Use Recommendations:

Brella® FireFoil® with Bionic Finish® is a flame retardant, oil repellent, and air permeable canvas, which provides opacity, and excellent sun protection to reduce heat, glare and UV light. The unique Bionic Finish® provides excellent soil release properties, which prevents the ingress of dirt and enables ease of cleaning. Brella® FireFoil® with Bionic Finish® is designed to withstand extreme weather conditions with its high strength and resistance to fading. Brella® FireFoil® with Bionic Finish® is specifically designed for use in external awnings in situations where flame retardancy is desired or mandatory.

- ❖ window awnings
- ❖ verandah blinds
- ❖ applications where decorative fabrics are required to enhance appearance and endure environment conditions.

Note: Exterior canvas awnings can reduce solar energy by up to 75%. Source: AWTA Testing

REFLECTANCE FACTOR	ABSORPTION FACTOR	TRANSMISSION FACTOR	SHADE CO-EFFICIENT FACTOR
BRELLA FIREFOIL CANVAS 70%	BRELLA FIREFOIL CANVAS 30%	BRELLA FIREFOIL CANVAS 0%	BRELLA FIREFOIL CANVAS .27
Typical PVC Mesh 5.5%	Typical PVC Mesh 83%	Typical PVC Mesh 12%	Typical PVC Mesh .74
Typical Acrylic 23%	Typical Acrylic 73%	Typical Acrylic 5%	Typical Acrylic .61
3mm Clear Glass 7.5%	3mm Clear Glass 9.1%	3mm Clear Glass 83.4%	3mm Clear Glass 1.0

BRELLA® FIREFOIL® WITH BIONIC FINISH® IS NOT A PROOFED CANVAS. DESPITE BEING RESISTANT TO WATER, IT SHOULD NOT BE USED AS A WATERPROOF COVER WHERE POOLS OF WATER MAY COLLECT.

Fabrication Notes:

To minimise the effect of warp (lengthwise) shrinkage on awnings, Brella® FireFoil® with Bionic Finish® should always be mounted in the warp direction between top fixtures or rollers and the bottom rails of awning units where no provision for horizontal or sideways tensioning is made.

For all new awning installations – new awnings should always be drawn down fully and left down for a period of 2 to 4 days. This process will allow the canvas to condition (i.e. fabric will relax & construction will tighten). This will serve to eliminate any waviness or wrinkles in the fabric. Also: during the life of the awning, under both summer & winter conditions, it is advised that the awning be periodically drawn to the full down position to allow ongoing conditioning. This is especially important if the awning has been rolled up either fully or partially for long periods of time.

Care Instructions:

Brella® FireFoil® should be kept clean by brushing dry fabric regularly with a soft brush/broom. Hose occasionally with cold water, but **do not combine the actions of brushing and hosing as may abrade coating and impart a scuffed appearance once dry.** Do not allow bird droppings, earth, sand or vegetable matter to remain in contact with the canvas.

Do not apply soaps, detergents or other cleaning fluids and keep petrol, kerosene or other similar solvents away from the canvas.

Retractable awnings should not be rolled up when wet. If rolled up wet, Brella® FireFoil® should be opened up to dry as soon as practical to prevent mildew growth.

Should mildew spots appear, brush them off before they become attached. Persistent mildew growth should be treated with a solution of one part White King® to three parts of lukewarm water, maximum temperature 38°C. apply the diluted solution to the fabric with a soft brush or broom and rinse off thoroughly after 15 minutes. Follow the safety directions outlined on the White King® containers.

To ensure that water repellency is fully retained after continuous outdoor exposure or extensive cleaning, the fabric should be reproofed with a water repellent compound. Bradmill Outdoor Fabrics’ BrellaGuard® reproofing compound is recommended for this purpose.

The specifications contained herein are based on a typical production sample, and are accurate at the time of printing. Bradmill Outdoor Fabrics reserves the right to change the specification without notice. Colour may vary from batch to batch.

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