



Bradmill Outdoor Fabrics



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Company
ISO9001-2000
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SAI Group

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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 550 g/m² (16.2 oz/yd²)

Nominal Width: 200 cm

Roll length: 35 m

Typical Performance:

Flame Retardancy:

AS1530.2-1993*	Flammability Index:	6	(Range 0-100)
AS1530.3 – 1999*	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)

Strength:

Breaking Force (N) (AS2001.2.3A)	Warp: 2700	Weft: 1350
Tearing Force (N) (AS2001.2.10)	Warp: 75	Weft: 40

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* AWTA test report No. 7-548702-BV



Typical Performance continued:

Oil Repellency:

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

Shrinkage:

Relaxation Shrinkage* (%) **Warp:** -4.0 **Weft:** +0.2

*Relaxation shrinkage test 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
(Range: 1-Lowest to 7-Highest)

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 mandatory/desired.

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 CANVAS 70% Typical PVC Mesh 5.5% Typical Acrylic 23% 3mm Clear Glass 7.5%	BRELLA CANVAS 30% Typical PVC Mesh 83% Typical Acrylic 73% 3mm Clear Glass 9.1%	BRELLA CANVAS 0% Typical PVC Mesh 12% Typical Acrylic 5% 3mm Clear Glass 83.4%	BRELLA CANVAS .27 Typical PVC Mesh .74 Typical Acrylic .61 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.

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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® White King is a registered trademark of Sara Lee Pty. Ltd

Care Instructions:

Brella® FireFoil® with Bionic Finish® 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. 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® with Bionic Finish® 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.

As Brella® FireFoil® ages it may require reproofing with a soil repellent compound. Bradmill Outdoor Fabrics BrellaGuard® reproofing compound is recommended for this purpose.

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