

# FABRICAIR TREVIRA CS 100

## FabricAir Trevira

FabricAir® Trevira is a permeable fabric woven with permanently flame-retardant fibers and yarns. It is especially suitable in places where there is a risk of bacteria growth or condensation, such as the food industry or indoor pools.

FabricAir® Trevira is supplied with a 5- or 10-year warranty and all variants are Oeko-Tex 100 certified.

All suspension types are available, including All-in-One, which always keeps the duct stretched out even when the air is removed from the system.

FabricAir® Trevira is machine washable and retains its dimensions after washing (max. 0.5% shrinkage). The permeability is uniform (max. 5% variation).

The fabric is supplied in standard colors, with the option of custom dye, surface prints and other custom prints.

## FEATURES

- ✓ Permeable
- ✓ The hygienic alternative to metal
- ✓ Inherently flame retardant fibers
- ✓ Certificate, Oeko-Tex standard 100
- ✓ LEED points
- ✓ All-in-One Support
- ✓ Internal 360° Hoops

# STANDARD COLORS

White  
1000

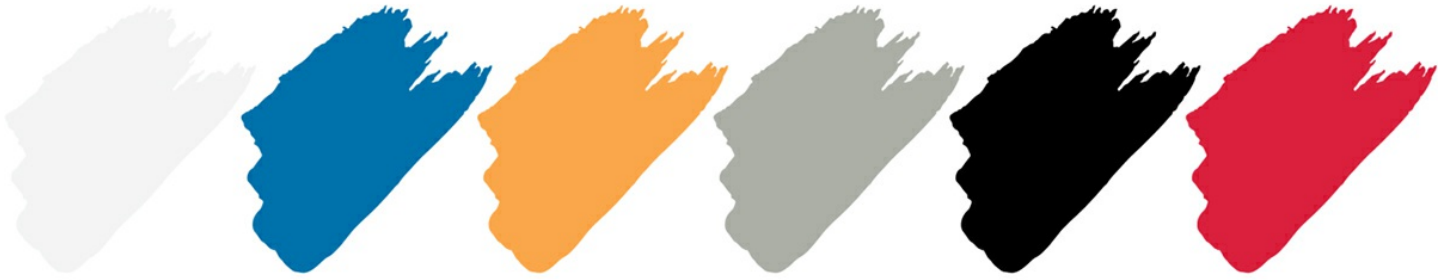
Blue  
1001

Orange  
1002

Gray  
1003

Black  
1004

Red  
1005



*DYE COLOR*

*SURFACE PRINT*

*GRAPHIC PRINT*

FabricAir Trevira  
Basic, CS 100 and CS 150

Dye

Coloring

Seamless  
Patterns

Artwork

Logos

Lettering



FabricAir Trevira CS100 comes with a 10-year warranty.

## PROFILES



ROUND



D-SHAPED / HALF-  
ROUND

FabricAir round duct is the



**CIRCLE SECTION**

The Circle Section duct can be used when there is a hard ceiling to attach to. Typically this profile is



**FABRICAIR®  
VARIODUCT™**



**RECTANGULAR**



**INTERNAL 360° HOOPS**

Internal 360° Hoops



**ALL-IN-ONE SUPPORT**

# FLOW MODELS



## FABFLOW™

In FabFlow™ the air exits the duct through the permeable fabric surface. The air is driven by



## MICROFLOW™

With MicroFlow™ the air exits the duct via laser cut micro-perforations along the circumference of the



## PERFOFLOW™

With PerfoFlow™ the air exits the duct via laser cut perforations along the circumference of the duct.



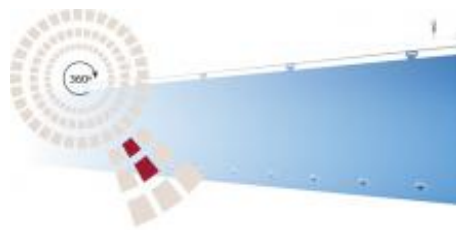
## SONICFLOW™

SonicFlow™ is a directional flow model where the air exits the duct via rows of laser cut



## ORIFLOW™

OriFlow™ is a directional flow model where the air exits the duct via rows of laser cut orifices. Multiple



## NOZZFLOW™

NozzFlow™ is used in applications where very precise directional airflow is needed. The discharge



## JETFLOW™

JetFlow™ is capable of generating exceptionally long throws through the use of conical jets in

## DOWNLOAD CERTIFICATES

[Fire certificates EN-13501-1:2009  
- Trevira CS100](#)

# DATA SHEET

## CONSTRUCTION

Fabric type:	Polyester/Trevira CS	
Weight	245 g/m <sup>2</sup>	
	7.25 oz/yd <sup>2</sup>	<u>EN ISO 12127:1997 (ASTM D3776-96)</u>
Thickness:	0,34 [0.13] mm [inch]	
	<u>EN ISO 5084:1996 (ASTM D1777-96)</u>	
Permeability:	40/200/320/650/1200 (±5%) m <sup>3</sup> /m <sup>2</sup> /h at 120 Pa	
	2/10/16/33/60 (±5%) [CFM/ft <sup>2</sup> at 0.5" Static]	
	<u>EN ISO 9237:1995 (ASTM D737, Frazier)</u>	

## PROPERTIES

Strength - Warp:	1350 N	<u>EN ISO 13934-1</u>
Strength - Weft:	1550 N	<u>EN ISO 13934-1</u>
Shrinkage:	0,5 % Max. °C [°F]	<u>EN ISO 5077</u>
Heat resistance - continuous:	80 [176] °C [°F]	
Heat resistance - softening:	120 [248] °C [°F]	

## TREATMENT/COATINGS

## CODE COMPLIANCE

EN 13501-1:	B-s1, d0	<u>EN 13501-1</u>
UL 723:	Yes	<u>UL 723</u>
Fire retardant:	M1	<u>NF P 92-507</u>

## PERFORMANCE CERTIFICATES

## ADDITIONAL APPROVALS

OEKO-TEX®:	Approved	<u>OEKO-TEX® Standard 100</u>
All-in-One available:	<u>Yes</u>	

Disclaimer

FabricAir® believes that all data, statements, technical information, etc., listed in this Technical Data Sheet regarding the product and the use of the product are accurate and reliable. However, the product will only be covered by FabricAir®'s guarantees or warranty if the final use for the product has been approved by FabricAir® in writing. No representative is authorized to approve the final use of the product on behalf of FabricAir®.

## VARIATIONS OF THE FABRIC

Trevira CS

	Permeable	Flame Retardancy	Antistatic	Anti-microbial	Warranty
<u>Trevira Basic</u>	✓				<u>5</u>
<u>Trevira CS 100</u>	✓	<u>Permanent</u>			<u>10</u>
<u>Trevira CS 150</u>	✓	<u>Permanent</u>		✓	<u>10</u>

[ [Compare selection](#) ]

## CERTIFICATE COMPARISON

### COMPARE CERTIFICATES FOR FABRICAIR TREVIRA CS

	<u>Trevira Basic</u>	<u>Trevira CS 100</u>	<u>Trevira CS 150</u>
<b>EN 13501-1</b>		B-s1, d0	B-s1, d0
<b>UL 723</b>	Yes	Yes	Yes
<b>ULC S102.2</b>			Yes
<b>NFP 92-507</b>	M1	M1	M1
<b>UL 2518</b>			Yes

Trevira Basic

Trevira CS 100

Trevira CS 150

Oeko-Tex Standard 100

Approved

Approved

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## RELATED ARTICLES



## COLORS AND SPECIAL DYING

FabricAir ducts are available in a variety of standard colors and custom colors upon request.



## LAUNDERING



The ability to launder FabricAir ducts is one of the many unique advantages of selecting fabric over metal ducting.



## SHRINKAGE IS LESS THAN 0.5%

Duct shrinkage can be a serious problem if uncorrected. Suppose you take down a duct to wash it and afterwards it is two feet shorter and two inches smaller in diameter.

## COMPARE CERTIFICATES FOR FABRICAIR TREVIRA CS

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