

FABRICAIR COMBI 20



FabricAir® Combi is available as permeable and non-permeable fabrics. All fabric variants are exceptionally strong and durable and come with 5 or 10-year warranties.

FabricAir® Combi is Oeko-Tex 100 certified. The fabric is machine washable and retains its dimensions after washing (max. 0.5% shrinkage). The permeability is uniform (max. 5% variation).

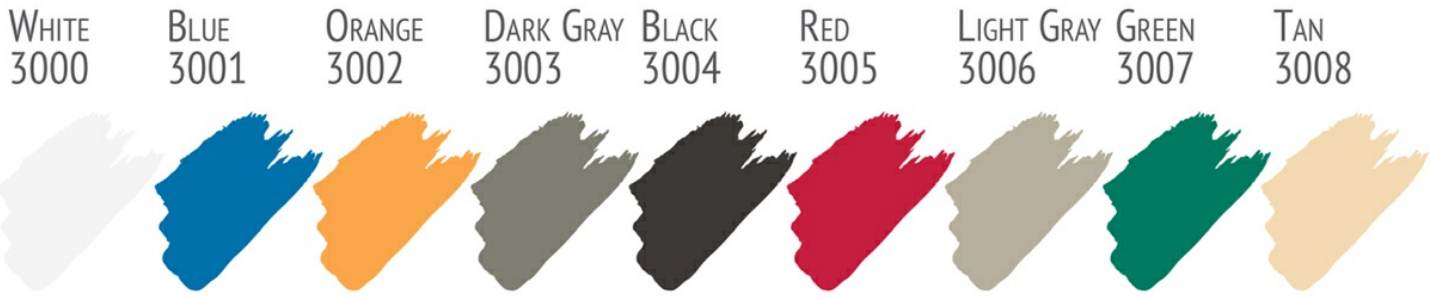
FabricAir® Combi 80 and Combi 90 are supplied with an antimicrobial treatment, which is specially developed for areas with strict hygiene requirements.

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

FEATURES

- ✓ Permeable
- ✓ Durable and strong weave
- ✓ Flame retardant fabric
- ✓ Certificate, Oeko-Tex standard 100
- ✓ All-in-One Support
- ✓ Internal 360° Hoops

STANDARD COLORS



DYE COLOR	SURFACE PRINT		GRAPHIC PRINT		
	FabricAir Combi 20, 60, 70 and 80				
Dye	Coloring	Seamless Patterns	Artwork	Logos	Lettering
-			✓	✓	✓

The fabric is strong and durable – it comes with a 5 year warranty.

PROFILES



ROUND

FabricAir round duct is the most commonly used duct profile and is typically



D-SHAPED / HALF-ROUND



CIRCLE SECTION

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



RECTANGULAR



FABRICAIR® VARIODUCT™



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
- Combi 20](#)

DATA SHEET

CONSTRUCTION

Fabric type:	Polyester		
Weight	260 g/m ²		
	7.67 oz/yd ²	<u>EN ISO 12127:1997 (ASTM D3776-96)</u>	
Thickness:	0.40 [0.016] mm [inch]		
	<u>EN ISO 5084:1996 (ASTM D1777-96)</u>		
Permeability:	40 (±5%) m ³ /m ² /h at 120 Pa		
	2 (±5%) [CFM/ft ² at 0.5" Static]		
	<u>EN ISO 9237:1995 (ASTM D737, Frazier)</u>		

PROPERTIES

Strength - Warp:	2400 N	<u>EN ISO 13934-1</u>
Strength - Weft:	800 N	<u>EN ISO 13934-1</u>
Shrinkage:	0.5 % Max. °C [°F]	<u>EN ISO 5077</u>
Heat resistance - continuous:	+140 [+284] °C [°F]	
Heat resistance - softening:	+235 [+455] °C [°F]	

TREATMENT/COATINGS

CODE COMPLIANCE

EN 13501-1:	B-s1,d0	<u>EN 13501-1</u>
GB 8624:	B-s1,d0,t1	<u>GB 8624</u>
GOST:	Yes	
UL 723:	Yes	<u>UL 723</u>
ULC S102.2:	Yes	
Fire retardant:	M1	<u>NF P 92-507</u>

PERFORMANCE CERTIFICATES

UL 2518:	Yes	<u>UL 2518</u>
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ADDITIONAL APPROVALS

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

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

Combi

	Permeable	Flame Retardancy	Antistatic	Anti-microbial	Warranty
<u>Combi 20</u>	✓	<u>Flame Retardant</u>			<u>5</u>
<u>Combi 30</u>		<u>Flame Retardant</u>			<u>5</u>
<u>Combi 60</u>	✓				<u>10</u>
<u>Combi 65</u>					<u>10</u>
<u>Combi 70</u>	✓	<u>Flame Retardant</u>			<u>10</u>
<u>Combi 80</u>	✓	<u>Flame Retardant</u>		✓	<u>10</u>
<u>Combi 85</u>		<u>Flame Retardant</u>			<u>10</u>
<u>Combi 90</u>		<u>Flame Retardant</u>		✓	<u>10</u>

[[Compare selection](#)]

CERTIFICATE COMPARISON

COMPARE CERTIFICATES FOR FABRICAIR COMBI

	Combi 20	Combi 30	Combi 60	Combi 65	Combi 70	Combi 80	Combi 85	Combi 90
EN 13501-1	B-s1,d0	B-s1,d0			B-s1,d0	B-s1,d0	B-s1,d0	B-s1, d0
UL 723	Yes	Yes			Yes	Yes	Yes	Yes
ULC S102.2	Yes		Yes		Yes	Yes	Yes	Yes
GB 8624	B-s1,d0,t1	B-s1,d0,t1	B-s1,d0,t1	B-s1,d0,t1	B-s1,d0,t1	B-s1,d0,t1	B-s1,d0,t1	B-s1,d0t1
UL 2518	Yes	Yes			Yes	Yes	Yes	Yes
GOST	Yes				Yes	Yes	Yes	Yes
Oeko-Tex Standard 100	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved

RELATED ARTICLES



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.



LAUNDERING

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