FabricAir

Innovating the HVAC industry since 1973



FabricAir®
Combi 80

FabricAir® Combi 80 is a permeable, flame-retardant, antimicrobial, Oeko-Tex 100 certified fabric. It is a strong and durable fabric, especially well-suited for hygienic applications where there is a risk of mold or bacteria growth or condensation and comes with an anti-microbial treatment. The fabric is machine washable and retains its dimensions after washing (max. 0.5% shrinkage). The permeability is uniform (max. 5% variation) and achieved by thermo-fixation.

This fabric is rated for cleanrooms and associated controlled environments: Cleanliness Class 3 (ISO 14644-1 Table 1).

It comes a 10-year warranty and is supplied in 9 standard colors, with the option of printed custom colors and custom patterns. All flow models, as well as shape retention options are available and it is compatible with the FabricAir® VarioDuct™.

FEATURES AVAILABLE	
Washable	Yes
Warranty, years	10
Anti-microbial	Yes
Permeable	Yes
Flame Retardant	Yes

STANDARD COLORS AVAILABLE	
3000 White	
3001 Blue	
3002 Orange	
3003 Dark Gray	
3004 Black	
3005 Red	
3006 Light Gray	
3007 Green	
3008 Tan	

COLORS AND PATTERNS AVAILABLE	
Dye colors available	No
Coloring by Surface Print	Yes
Seamless Pattern by surface print	Yes
Artwork, print	Yes
Logos, print	Yes
Lettering, print	Yes

DATA: FabricAir® Combi 80

PROPERTIES

Fabric type:	Polyester	
Weight:	295 [8.70] g/m² [oz/yd²]	EN ISO 12127:1997 (ASTM D3776-96)
Thickness:	0,45 [0.016] mm [inch]	EN ISO 5084:1996 (ASTM D1777-96)
Permeability:	40 (±5%) m³/m²/h at 120 Pa	EN ISO 9237:1995 (ASTM D737, Frazier)
	[2 (±5%) CFM/ft² at 0.5" inwg]	
Strength - Warp:	2700 N	EN ISO 13934-1
Strength - Weft:	900 N	EN ISO 13934-1
Shrinkage:	0,5% Max.	EN ISO 5077
Heat resistant - continuous:	from -40°C [-40°F] to +140°C [+284°F]	
Heat resistant - softening:	+240°C [+464°F]	

CODE COMPLIANCE

Reaction to fire (European Utnion):	B-s1,d0	EN 13501-1
Reaction to fire (Denmark):t	Yes	DS 428
Reaction to fire (France):	M1	NFP 92:507
Reaction to fire (Republic of China):	B-s1,d0,t1	GB 8624
Reaction to fire (USA):	Yes	UL 723
Reaction to fire (Canada):	Yes	ULC s102.2
Reaction to fire (CIS countries):	Yes	GOST 30244
Cleanrooms and associated controlled environments:	Class 3	EN ISO 14644-1

PERFORMANCE CERTIFICATES

Safety Air Dispersion Systems:	Yes	UL 2518

ADDITIONAL APPROVALS

Anti-microbial:	Yes	EN ISO 20645, AATCC 100
OEKO-TEX®:	Yes	OEKO-TEX® Standard 100

OPTIONAL FABRICAIR INNOVATIONS

All-in-One:	Yes	
360° hoops:	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®.

smart air solutions.