



FabricAir®
Combi Eco 80 

FabricAir® Combi Eco 80 is a permeable, flame-retardant, antimicrobial, Oeko-Tex 100 certified fabric made from dope dyed yarn. It is a strong and durable fabric. It comes with an anti-microbial treatment making it especially well-suited for hygienic applications where there is a risk of mold or bacteria growth. 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. The color is deeply embedded within the yarn, making it more resistant to fading, washing and UV exposure. The production of this fabric is more sustainable, because of lower water and energy consumptions.

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 5 standard colors, with the option of printed custom colors and custom patterns.

FEATURES AVAILABLE	
Washable	Yes
Warranty, years	10
Extended warranty option	Yes
Anti-microbial	Yes
Permeable	Yes
Flame retardant	Yes

STANDARD COLORS AVAILABLE	
3000 White	
3001 Blue	
3003 Dark Gray	
3004 Black	
3006 Light Gray	

COLORS AND PATTERNS AVAILABLE	
Coloring by Surface Print	
Seamless Pattern by surface print	
Artwork, print	Yes
Logos, print	Yes
Lettering, print	Yes

DATA: FabricAir® Combi Eco 80

PROPERTIES

Fabric type:	Polyester	Dope dyed yarns
Weight:	275 (±7%) g/m ²	EN ISO 12127:1997
Thickness:	0,45 mm	EN ISO 5084:1996
Permeability:	40 (±5%) m ³ /m ² /h at 120 Pa	EN ISO 9237:1995
Strength - Warp:	2700 N	EN ISO 13934-1
Strength - Weft:	800 N	EN ISO 13934-1
Shrinkage:	0,5% Max.	EN ISO 5077
Heat resistance - continuous:	from -40°C to +140°C	
Heat resistance - softening:	+240°C	

CODE COMPLIANCE

Reaction to fire (European Union):	B-s1,d0	EN 13501-1
Reaction to fire (Denmark):	Yes	DS 428
Reaction to fire (France):	M1	NFP 92:507
Reaction to fire (USA):	Yes	UL 723
Reaction to fire (Canada):	Yes	ULC s102.2
Cleanrooms and associated controlled environments:	Class 3	EN ISO 14644-1

PERFORMANCE CERTIFICATES

Safety Air Dispersion Systems:	Yes	UL 2518
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ADDITIONAL APPROVALS

Anti-microbial:	Yes	EN ISO 20645, EN ISO 20743
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®.