



## FabricAir® Combi Eco 30

FabricAir® Combi Eco 30 is a nonpermeable, flame-retardant, Oeko-Tex 100 certified fabric, made from dope dyed yarn (only minimal air permeability deliberately occurs to mitigate heat gain and condensation risks). It is a strong and durable fabric; machine washable and retains its dimensions after washing (max. 0.5% shrinkage). 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 consumption.

This fabric is well suited for cleanrooms and electrically sensitive environments where the accumulation of electrostatic charge is undesirable. It is rated for Cleanliness Class 3 standards as defined in ISO 14644-1 Table 1. Antistatic yarns are woven in a grid pattern creating a conductive fabric with low electrical surface resistance ( $<2 \times 10^3$  Ohms, according to EN 1149-1) which is required to enable the installer to properly discharge the electrostatic charge by means of grounding. The fabric is washable, and its conductive properties remain effective throughout the product's lifespan.

It comes with a 5-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	5
Non-permeable	Yes
Flame Retardant	Yes

STANDARD COLORS AVAILABLE		
		ANTISTATIC
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 30

## PROPERTIES

Fabric type:	Polyester	Dope dyed yarns
Weight:	315 ( $\pm 7\%$ ) g/m <sup>2</sup>	EN ISO 12127:1997
Thickness:	0,40 mm	EN ISO 5084:1996
Permeability:	0 m <sup>3</sup> /m <sup>2</sup> /h at 120 Pa	EN ISO 9237:1995
Strength - Warp:	2400 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	
Electrical surface resistance*	< 2x10 <sup>3</sup> Ω	EN 1149-1

\* fabric with the anti-static feature selected

## 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

OEKO-TEX®:	Yes	OEKO-TEX® Standard 100
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## OPTIONAL FABRICAIR INNOVATIONS

All-in-One:	Yes	
360° hoops:	Yes	

Minimal air permeability deliberately occurs to mitigate heat gain and condensation risks.

## 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®.