

# ORIENT FR

Orient FR collection offers you a minimalistic look and a rich palette of soft colors to suit any commercial space. If you need to consider fire safety as part of your window solution, the inherent flame retardant finish gives you peace of mind. And the finishing touch: Orient FR fabrics are also available with a blackout coating, giving you the best light control in the room.

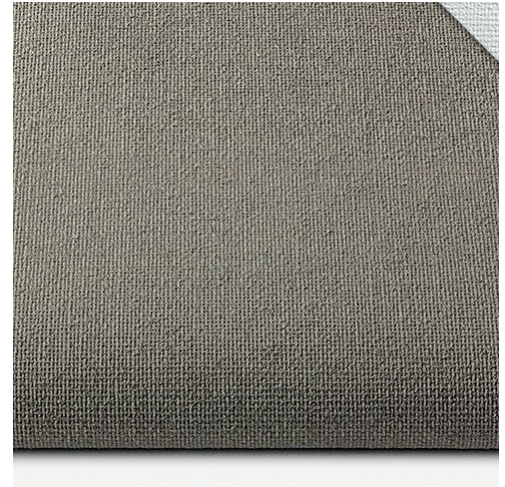
## BLACKOUT WHITE BACKING



## GENERAL INFORMATION

<b>Number of Colors</b>	6	
<b>Material Composition</b>	100% Polyester	
<b>Width</b>	240 / 300* cm	94.50 / 118.00* in
<b>Thickness (+/- 5%)</b>	0,47 mm	0.0185 in
<b>Weight (+/- 5%)</b>	320 gr/m <sup>2</sup>	13.5 oz/yd <sup>2</sup>
<b>Roll Length</b>	30 m	32.81 yd

\*The Orient BO-WB FR is also available in 300 cm / 118.00 inch width



## SPECIAL VALUES

<b>Color Fastness to Light</b>	6 - 7 (DIN ISO 105-B02)
<b>Finish</b>	Acrylic Foam Coating
<b>PVC Free</b>	Yes
<b>Lead Free</b>	Yes
<b>Halogen Free</b>	Yes
<b>Formaldehyde Free</b>	Yes
<b>Phthalates Free</b>	Yes
<b>Flame Retardancy</b>	NFPA 701 / DIN 4102 B1 / EN 13773-1 / California Title 19 / CAN/ULC-S109 / BS 5867 Part 2

<b>Fungal Resistance</b>	N/a
<b>Humid Environment</b>	N/a
<b>Suitable for Workstations</b>	Yes
<b>Tensile Strength in Warp</b>	661.03 N (ISO 13934-2)
<b>Tensile Strength in Weft</b>	376.44 N (ISO 13934-2)
<b>Tearing Strength in Warp</b>	23.74 N (ISO 13937-1)
<b>Tearing Strength in Weft</b>	17.56 N (ISO 13937-1)
<b>Manufacturing Procedure</b>	Cold Cut
<b>Care Instructions</b>	Damp Cloth

## SUITABLE FOR



Roller



Panel



Vertical



FR

## CARE & HANDLING

Remove dust with vacuum cleaner or compressed air. Do not use solvents or any abrasive substance which might damage the coating of the fabric. Clean with a sponge, soft brush or cloth. Leave the blind down until completely dry.

Version 20220810



The information provided herein is based upon tests believed to be reliable. The values are intended only as a source of information. A legally binding guarantee of specific properties is not to be inferred from our specifications. They are given without guarantee and do not constitute a warranty.

## LIGHT AND SOLAR PROPERTIES

Item Number	Color	EU Standard Tested to DIN EN 410							EU Standard Tested to DIN EN 13363-1		
		Rv	Tv	Av	TUV	Rs	Ts	As	Gtot Value	FC-Value	FC-Class
134440-240/300 FR	White	84%	0%	16%	0%	71%	0%	29%	0,34	0,46	2
134504-240/300 FR	Light Gray	84%	0%	16%	0%	71%	0%	29%	0,34	0,46	2
134506-240/300 FR	Dark Gray	84%	0%	16%	0%	71%	0%	29%	0,34	0,46	2
134513-240/300 FR	Soft Beige	84%	0%	16%	0%	71%	0%	29%	0,34	0,46	2
134526-240/300 FR	Sand	84%	0%	16%	0%	71%	0%	29%	0,34	0,46	2
134537-240/300 FR	Cool Gray	84%	0%	16%	0%	71%	0%	29%	0,34	0,46	2

**Rv** = Light Reflection      **Tv** = Light Transmittance      **Av** = Light Absorption  
**Rs** = Solar Reflection      **Ts** = Solar Transmittance      **As** = Solar Absorption      **TUV** = Ultraviolet Transmittance  
**Gtot Value** = The total transmission value of solar energy through a combination of window and sun protection  
**FC-Value** = Reduction factor (from 0-1) of the fabric concerning solar energy

## TOTAL ENERGY PERMEABILITY DEGREE GTOT AND REDUCE FACTOR FC

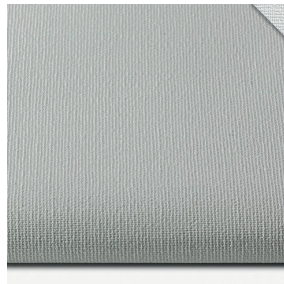
GTOT: DIN EN ISO 52022-1 / FC: DIN EN 14501								
Item Number	Single glazing		Double glazing with air interspace		Double glazing with low emission degree and argon interspace		Triple glazing with low emission degree and argon interspace	
	$U_g=5,8 \text{ W}/(\text{m}^2\text{K})$ $g=0,85$		$U_g=2,9 \text{ W}/(\text{m}^2\text{K})$ $g=0,76$		$U_g=1,2 \text{ W}/(\text{m}^2\text{K})$ $g=0,59$		$U_g=0,8 \text{ W}/(\text{m}^2\text{K})$ $g=0,55$	
	Gtot	Fc	Gtot	Fc	Gtot	Fc	Gtot	Fc
134440-240/300 FR	0,28	0,32	0,31	0,41	0,32	0,55	0,32	0,58
134504-240/300 FR	0,26	0,31	0,30	0,39	0,32	0,54	0,31	0,57
134506-240/300 FR	0,26	0,30	0,30	0,39	0,32	0,53	0,31	0,57
134513-240/300 FR	0,26	0,31	0,30	0,39	0,32	0,54	0,31	0,57
134526-240/300 FR	0,26	0,30	0,29	0,39	0,31	0,53	0,31	0,56
134537-240/300 FR	0,26	0,31	0,30	0,39	0,32	0,54	0,31	0,57

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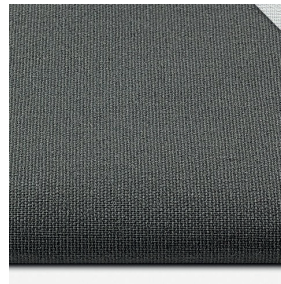
### COLORS



134440-240/300 FR  
White



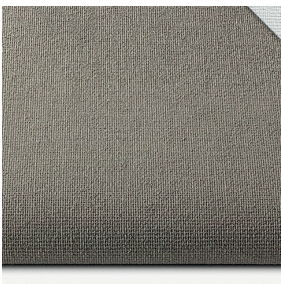
134504-240/300 FR  
Light Gray



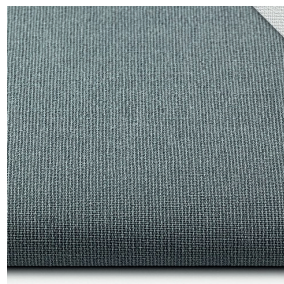
134506-240/300 FR  
Dark Gray



134513-240/300 FR  
Soft Beige



134526-240/300 FR  
Sand



134537-240/300 FR  
Cool Gray