

SOLAR AND OPTICAL PROPERTIES

SOLAR GAIN

The amount of heat increase resulting from solar energy entering a room. It is the total of 3 separate parts – the amount of energy transmitted directly into the room, the energy which is absorbed by the blind and a proportion of the energy which is absorbed by the window.

SHADING CO-EFFICIENT

The solar heat gain with the blind at the window divided by the solar heat gain with no blind at the window. The lower the shading co-efficient, therefore. The higher then efficiency of the fabric.

G-TOT

The total solar energy transmittance entering a building through a window and shading device combined. It is the ration of total energy hitting the building and the amount that gets through the glazing and shading. The lower the GTOT value, the lower the heat gain to the building.

UNIVIEW® 3000 ECO SOLAR AND OPTICAL PERFORMANCE																	
	Solar			Visible			UV	QRF	CF	GTOT				SC			
	RS %	TS %	AS %	RV %	TV %	AV %	Block %			SG	DG	TG	DGLE	SG	DG	TG	DGLE
Uniview® 3000 Eco																	
Athena	68	21	11	74	19	7	96	7	5	0.34	0.36	0.34	0.35	0.40	0.42	0.39	0.41
Quartz	51	12	37	52	10	38	96	5	5	0.43	0.44	0.39	0.41	0.51	0.52	0.45	0.47
Luna	41	8	51	39	6	55	95	4	5	0.48	0.49	0.41	0.44	0.57	0.57	0.49	0.51
Intense	12	4	84	10	4	86	96	1	5	0.65	0.63	0.49	0.53	0.76	0.74	0.56	0.61

GLOSSARY

**T:** % Transmittance.  
**R:** % Reflectiveness.  
**A:** % Absorption.  
**UV Block:** Percentage of UV light blocked by the fabric.

**QRF:** Quick Reference Factor.  
**CF:** Colour Fastness.  
**gtot:** The solar factor entering a building through a window and the shading device combined.

**SC:** Shading Co-efficient.  
**SG:** Single Glazing.  
**DG:** Double Glazing.  
**TG:** Triple Glazing.  
**DGLE:** Double Glazing Low Emissivity.

UNIVIEW®  
3000 ECO





UNIVIEW®

3000 ECO

Introducing Uniview® 3000 Eco, an innovative solar screening solution crafted with sustainability in mind. Ideal for residential, commercial, educational, and healthcare settings. Uniview® 3000 Eco has been expertly woven with 86% recycled polyester, combining superior performance with a commitment to fostering a more circular economy. Available in 4 versatile colourways.

Uniview® 3000 Eco is highly durable, wipeable and will not fray. Additionally Uniview® 3000 Eco is FR, fully recyclable and REACH compliant, resulting in a fabric that satisfies market demand for sustainable screen fabrics.

UNIVIEW® 3000 ECO SPECIFICATION	
Colour range	4
Roller Length	20m
Roller Width	3m
Fabric Composition	86% Recycled Polyester
Mesh/cm	18x19
Mesh Weight	300 g/m² ± %1
Thickness	0,54 ± %10
Yarn Diameter	0.33mm x 0.33mm
Breaking Strength	330 x 330 lbs (ASTM D5035)
Openness Factor	3%
Care & Washing	Clean by gently wiping with a damp cloth. Do not soak or use any soap or detergent.
Colour Fastness	BS EN ISO 105-B02:2017
Direction on roll	Single Directional
Cut	Cut by Drop
Flammability Standards	BS5867-2:2008 TYPE B FR
Property	Dimout
Samples	Fabric samples available on request.

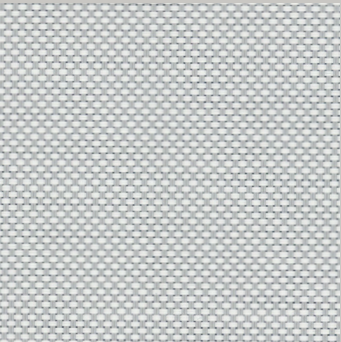


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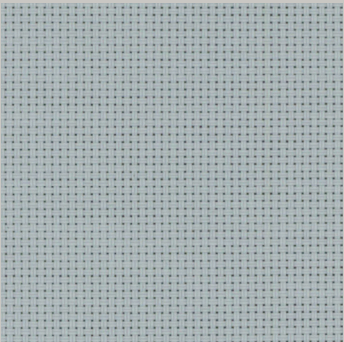
3000 ECO



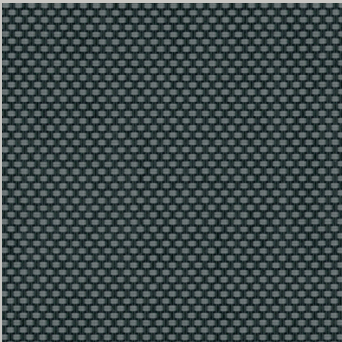
ATHENA RPU769 - 3.00m



QUARTZ RPU770 - 3.00m



LUNA RPU768 - 3.00m



INTENSE RPU767 - 3.00m

