

## SOLAR AND OPTICAL PROPERTIES

### SOLAR GAIN

The amount of heat increase resulting from solar energy entering a room. It is the total of three 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 the efficiency of the fabric.

UNISHADE® SOLAR AND OPTICAL PERFORMANCE																		
	Solar			Visible			UV Block %	Solar Block %	QRF	CF	GTOT				SC			
	RS %	TS %	AS %	RV %	TV %	AV %					SG	DG	DGLE	TGLE	SG	DG	DGLE	TGLE
Naro	72	0	28	78	0	22	100	100	8	6	0.29	0.32	0.33	0.33	0.33	0.37	0.38	0.38
White	73	0	27	85	0	15	100	100	8	6	0.28	0.32	0.33	0.32	0.33	0.37	0.38	0.37
Shell	72	0	28	82	0	18	100	100	8	6	0.29	0.33	0.33	0.33	0.34	0.38	0.38	0.38
Cream	74	0	26	85	0	15	100	100	8	6	0.28	0.31	0.32	0.32	0.32	0.36	0.37	0.37
Beige	57	0	43	60	0	40	100	100	6	6	0.38	0.40	0.38	0.37	0.43	0.46	0.44	0.43
Taupe	48	0	52	47	0	53	100	100	5	6	0.43	0.45	0.41	0.40	0.49	0.51	0.47	0.46
Chocolate	19	0	81	19	0	81	100	100	2	6	0.60	0.60	0.51	0.48	0.69	0.68	0.58	0.55
Dove	54	0	46	55	0	45	100	100	5	6	0.39	0.42	0.39	0.38	0.45	0.48	0.45	0.44
Ash	37	0	63	38	0	62	100	100	4	6	0.49	0.50	0.45	0.43	0.57	0.58	0.51	0.49
Charcoal	18	0	82	18	0	82	100	100	2	6	0.61	0.60	0.51	0.48	0.70	0.69	0.58	0.56
Flint	20	0	80	21	0	79	100	100	2	6	0.59	0.59	0.50	0.48	0.68	0.68	0.58	0.55
Kara	12	0	88	11	0	89	100	100	1	6	0.64	0.63	0.53	0.50	0.74	0.73	0.61	0.58
Black	6	0	94	6	0	94	100	100	1	6	0.68	0.66	0.55	0.52	0.78	0.76	0.63	0.60
Luna	56	0	44	68	0	32	100	100	6	6	0.38	0.40	0.38	0.37	0.44	0.47	0.44	0.43
Rayon	49	0	51	29	0	71	100	100	4	6	0.42	0.44	0.41	0.39	0.49	0.51	0.47	0.45
Red	44	0	56	18	0	82	100	100	3	6	0.45	0.47	0.42	0.41	0.52	0.54	0.49	0.47
Morello	32	0	68	12	0	88	100	100	2	6	0.52	0.53	0.46	0.44	0.60	0.61	0.53	0.51
Mulberry	19	0	81	11	0	89	100	100	1	6	0.60	0.59	0.50	0.48	0.69	0.68	0.58	0.55
Atmosphere	53	0	47	51	0	49	100	100	5	6	0.40	0.42	0.40	0.38	0.46	0.49	0.45	0.44
Batik	56	0	44	47	0	53	100	100	5	6	0.39	0.41	0.39	0.37	0.44	0.47	0.44	0.43
Kiwi	44	0	56	42	0	58	100	100	4	6	0.45	0.47	0.42	0.41	0.52	0.54	0.49	0.47
Glade	25	0	75	14	0	86	100	100	2	6	0.57	0.56	0.49	0.46	0.65	0.65	0.56	0.53
Escape	34	0	66	19	0	81	100	100	3	6	0.51	0.52	0.46	0.44	0.59	0.60	0.52	0.50
Cyan	41	0	59	22	0	78	100	100	3	6	0.47	0.48	0.43	0.42	0.54	0.55	0.50	0.48
Lapis	15	0	85	11	0	89	100	100	1	6	0.63	0.62	0.52	0.49	0.72	0.71	0.60	0.57
Navy	9	0	91	7	0	93	100	100	1	6	0.66	0.65	0.54	0.51	0.76	0.74	0.62	0.59

Gtot and SC values in accordance with: EN Calculations 52022-1, EN Reference Glazing EN 52022-2

### 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.

**TGLE:** Triple Glazing Low Emissivity.

**DGLE:** Double Glazing Low Emissivity.



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BLOCKOUT

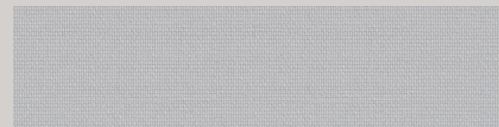






**NARO**

RP5687	2m
RP5688	2.5m
RP5689	3m
LP5598	89mm
LP5599	127mm



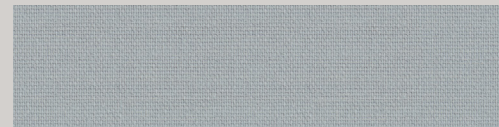
**DOVE**

RP5580	2m
RP5592	2.5m
RP5604	3m
LP5529	89mm
LP5541	127mm



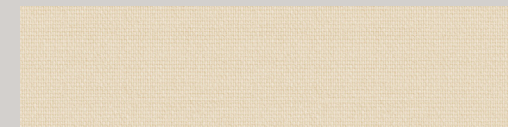
**WHITE**

RP5584	2m
RP5596	2.5m
RP5608	3m
LP5533	89mm
LP5545	127mm



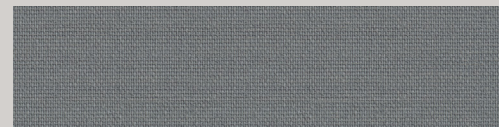
**ASH**

RP5573	2m
RP5585	2.5m
RP5597	3m
LP5522	89mm
LP5534	127mm



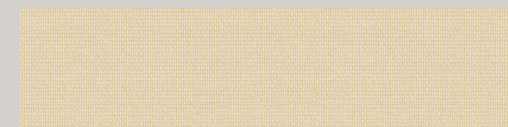
**SHELL**

RP5681	2m
RP5682	2.5m
RP5683	3m
LP5594	89mm
LP5595	127mm



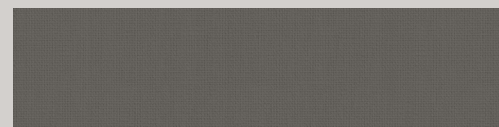
**CHARCOAL**

RP5576	2m
RP5588	2.5m
RP5600	3m
LP5525	89mm
LP5537	127mm



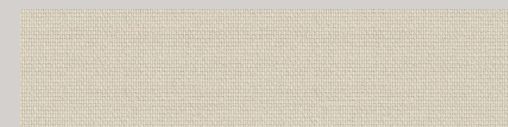
**CREAM**

RP5578	2m
RP5590	2.5m
RP5602	3m
LP5527	89mm
LP5539	127mm



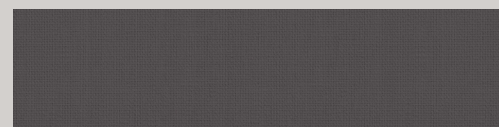
**FLINT**

RP5684	2m
RP5685	2.5m
RP5686	3m
LP5596	89mm
LP5597	127mm



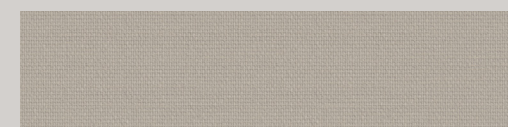
**BEIGE**

RP5574	2m
RP5586	2.5m
RP5598	3m
LP5523	89mm
LP5535	127mm



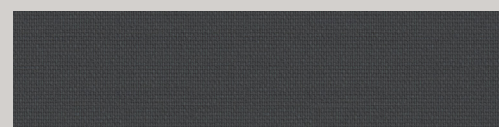
**KARA**

RP5651	2m
RP5652	2.5m
RP5653	3m
LP5574	89mm
LP5575	127mm



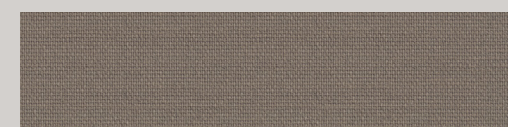
**TAUPE**

RP5583	2m
RP5595	2.5m
RP5607	3m
LP5532	89mm
LP5544	127mm



**BLACK**

RP5575	2m
RP5587	2.5m
RP5599	3m
LP5524	89mm
LP5536	127mm



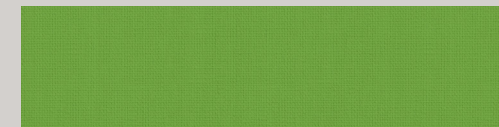
**CHOCOLATE**

RP5577	2m
RP5589	2.5m
RP5601	3m
LP5526	89mm
LP5538	127mm



**LUNA**

RP5654	2m
RP5655	2.5m
RP5656	3m
LP5576	89mm
LP5577	127mm



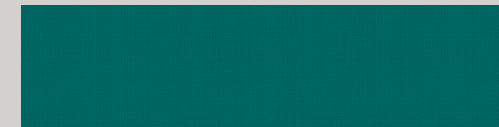
**KIWI**

RP5669	2m
RP5670	2.5m
RP5671	3m
LP5586	89mm
LP5587	127mm



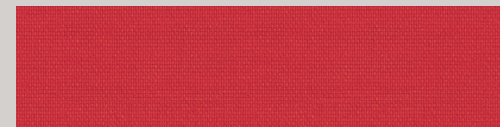
**RAYON**

RP5657	2m
RP5658	2.5m
RP5659	3m
LP5578	89mm
LP5579	127mm



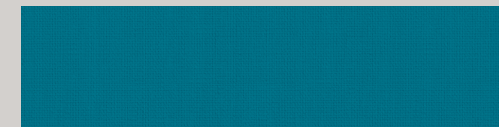
**GLADE**

RP5672	2m
RP5673	2.5m
RP5674	3m
LP5588	89mm
LP5589	127mm



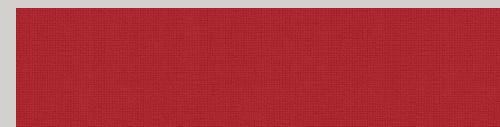
**RED**

RP5582	2m
RP5594	2.5m
RP5606	3m
LP5531	89mm
LP5543	127mm



**ESCAPE**

RP5675	2m
RP5676	2.5m
RP5677	3m
LP5590	89mm
LP5591	127mm



**MORELLO**

RP5690	2m
RP5691	2.5m
RP5692	3m
LP5600	89mm
LP5601	127mm



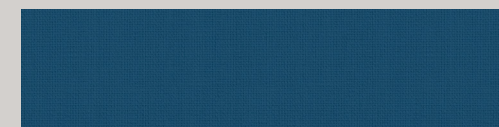
**CYAN**

RP5579	2m
RP5591	2.5m
RP5603	3m
LP5528	89mm
LP5540	127mm



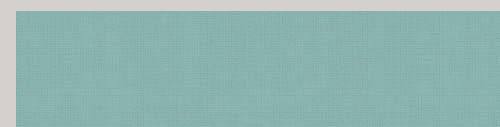
**MULBERRY**

RP5660	2m
RP5661	2.5m
RP5662	3m
LP5580	89mm
LP5581	127mm



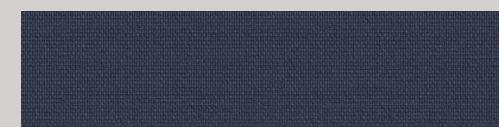
**LAPIS**

RP5678	2m
RP5679	2.5m
RP5680	3m
LP5592	89mm
LP5593	127mm



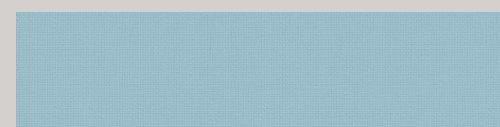
**ATMOSPHERE**

RP5663	2m
RP5664	2.5m
RP5665	3m
LP5582	89mm
LP5583	127mm



**NAVY**

RP5581	2m
RP5593	2.5m
RP5605	3m
LP5530	89mm
LP5542	127mm



**BATIK**

RP5666	2m
RP5667	2.5m
RP5668	3m
LP5584	89mm
LP5585	127mm

Unishade® offers a blackout collection of plain fire retardant fabrics, perfect for contract environments.



## UNISHADE

Presented in a palette of 26 distinctive colours and a range of roller and vertical widths, Unishade® offers the ultimate flexible contract solution.

Roller widths: 2m, 2.5m & 3m  
Vertical widths: 89mm & 127mm

Unishade® fulfil environmental standards in accordance with the ISO 14001 Environmental Management System. It is ensured that all products are manufactured under environmental protection without adding harmful substances.

UNISHADE® BLOCKOUT SPECIFICATION	
Colour Range	26
Roller Roll Length	(2m: 30m) (2.5/3m: 20m)
Roller Roll Width	2m / 2.5m / 3m
Vertical Roll Length	100m
Vertical Widths	89mm / 127mm
Fabric Composition	100% Polyester
Weight	368g/m2
Thickness	0.40mm +/- 0.05mm
Care & Washing	Do not soak. Clean by gently wiping with a sponge
Availability	Ex-Stock
Colour Fastness	BS EN ISO 105 - B02 : 2014 - BS6
Flammability Standards	BS 5867-2 : 2008 Part 2 in accordance with BS EN ISO 15025: 2002 Procedure A
Samples	Fabric samples available on request
Property	Blockout
Direction on Roll	Multi-directional

