

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.



UNISHADE®

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BLOCKOUT





NARO

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



WHITE

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



SHELL

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



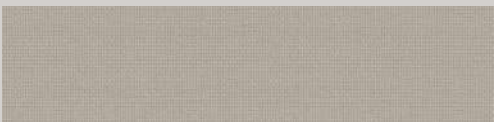
CREAM

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



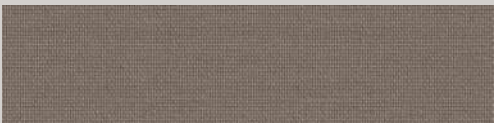
BEIGE

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



TAUPE

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



CHOCOLATE

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



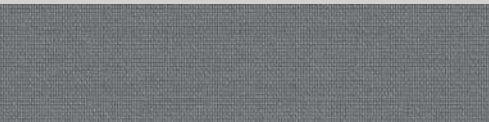
DOVE

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



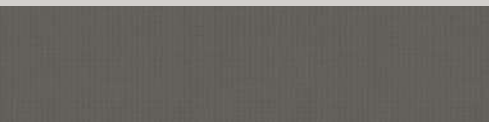
ASH

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



CHARCOAL

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



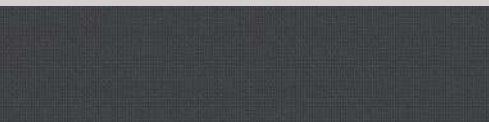
FLINT

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



KARA

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



BLACK

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



LUNA

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



RAYON

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



RED

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



MORELLO

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



MULBERRY

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



ATMOSPHERE

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



BATIK

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



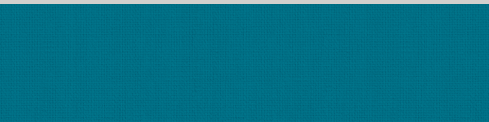
KIWI

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



GLADE

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



ESCAPE

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



CYAN

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



LAPIS

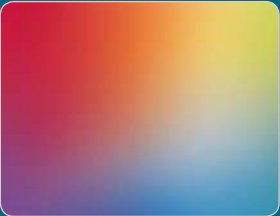
RP5678	2m
RP5679	2.5m
RP5680	3m
LP5592	89mm
LP5593	127mm



NAVY

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

