

## 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.

UNICOLOUR® 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	73	17	10	78	15	7	95	83	8	6	0.31	0.33	0.33	0.33	0.36	0.38	0.38	0.38
White	73	15	12	81	14	6	100	85	8	6	0.30	0.33	0.33	0.33	0.34	0.38	0.38	0.38
Shell	71	19	11	79	18	3	100	81	8	6	0.32	0.34	0.34	0.33	0.37	0.39	0.39	0.38
Cream	68	15	17	75	14	11	100	85	7	6	0.33	0.35	0.36	0.35	0.38	0.40	0.41	0.41
Beige	58	7	35	62	5	33	100	93	6	6	0.36	0.39	0.40	0.38	0.41	0.44	0.46	0.44
Taupe	41	3	56	44	1	54	100	97	4	6	0.44	0.46	0.47	0.44	0.50	0.53	0.55	0.51
Chocolate	18	0	81	18	0	81	100	100	2	6	0.55	0.56	0.58	0.52	0.64	0.64	0.66	0.60
Dove	44	4	52	48	2	49	100	96	5	6	0.42	0.45	0.46	0.43	0.49	0.51	0.53	0.49
Ash	37	3	60	37	1	61	100	97	4	6	0.46	0.48	0.49	0.46	0.53	0.55	0.57	0.52
Charcoal	19	0	81	20	0	80	100	100	2	6	0.55	0.56	0.57	0.52	0.63	0.55	0.66	0.59
Flint	25	1	74	24	0	75	100	99	2	6	0.57	0.56	0.49	0.46	0.65	0.65	0.56	0.53
Kara	14	0	86	13	0	87	100	100	1	6	0.63	0.62	0.52	0.50	0.73	0.72	0.60	0.57
Black	6	0	94	6	0	94	100	100	1	6	0.62	0.62	0.64	0.56	0.71	0.71	0.73	0.65
Luna	63	11	27	70	8	22	100	89	7	6	0.36	0.38	0.37	0.36	0.42	0.44	0.42	0.41
Rayon	53	12	35	30	2	67	100	88	4	6	0.42	0.43	0.40	0.38	0.48	0.49	0.46	0.44
Red	47	12	41	16	1	83	100	88	3	6	0.43	0.44	0.45	0.42	0.49	0.51	0.52	0.49
Morello	37	6	57	12	0	88	100	94	2	6	0.51	0.51	0.45	0.43	0.58	0.59	0.52	0.50
Mulberry	18	0	81	11	0	89	100	100	1	6	0.61	0.60	0.51	0.48	0.70	0.69	0.58	0.55
Atmosphere	55	7	38	50	2	47	100	93	5	6	0.40	0.42	0.39	0.38	0.46	0.48	0.45	0.43
Batik	61	9	30	52	3	46	100	91	6	6	0.37	0.39	0.37	0.36	0.43	0.45	0.43	0.42
Kiwi	48	8	44	44	2	54	100	92	5	6	0.44	0.45	0.41	0.40	0.51	0.52	0.47	0.46
Glade	32	6	63	17	0	83	100	94	2	6	0.53	0.53	0.47	0.44	0.61	0.61	0.53	0.51
Escape	36	5	58	19	0	81	100	95	3	6	0.51	0.51	0.45	0.43	0.58	0.59	0.52	0.50
Cyan	40	8	52	20	1	80	100	92	3	6	0.46	0.47	0.48	0.45	0.52	0.54	0.55	0.51
Lapis	18	0	82	12	0	88	100	100	1	6	0.61	0.60	0.51	0.48	0.70	0.69	0.58	0.56
Navy	9	0	91	6	0	94	100	100	1	6	0.60	0.60	0.62	0.55	0.69	0.69	0.71	0.63

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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DIMOUT







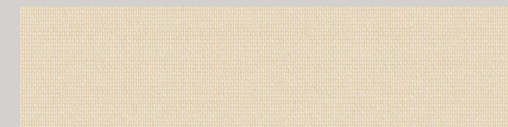
**NARO**

RP5645	2m
RP5646	2.5m
RP5647	3m
LP2397	89mm
LP5571	127mm



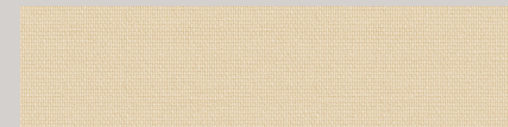
**WHITE**

RP2393	2m
RP2411	2.5m
RP5572	3m
LP2393	89mm
LP2411	127mm



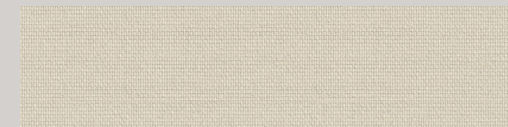
**SHELL**

RP5639	2m
RP5640	2.5m
RP5641	3m
LP5566	89mm
LP5567	127mm



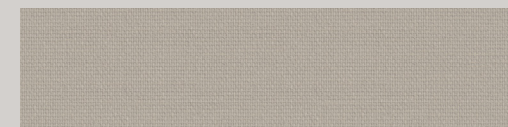
**CREAM**

RP2394	2m
RP2412	2.5m
RP5566	3m
LP2394	89mm
LP2412	127mm



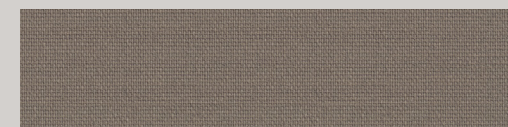
**BEIGE**

RP2395	2m
RP2413	2.5m
RP5562	3m
LP2395	89mm
LP2413	127mm



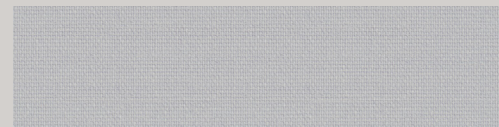
**TAUPE**

RP2396	2m
RP2414	2.5m
RP5571	3m
LP2396	89mm
LP2414	127mm



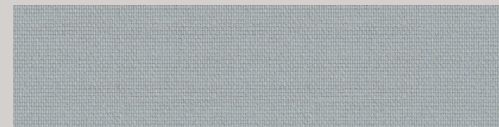
**CHOCOLATE**

RP2397	2m
RP2415	2.5m
RP5565	3m
LP2397	89mm
LP2415	127mm



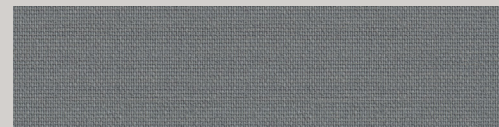
**DOVE**

RP2398	2m
RP2416	2.5m
RP5568	3m
LP2398	89mm
LP2416	127mm



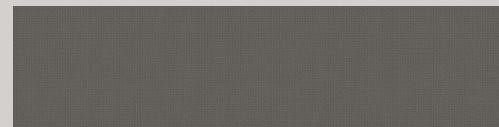
**ASH**

RP2399	2m
RP2417	2.5m
RP5561	3m
LP2399	89mm
LP2417	127mm



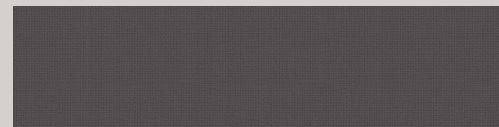
**CHARCOAL**

RP2400	2m
RP2418	2.5m
RP5564	3m
LP2400	89mm
LP2418	127mm



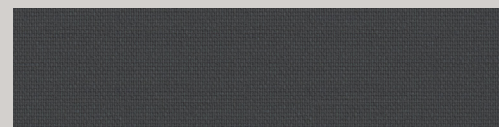
**FLINT**

RP5642	2m
RP5649	2.5m
RP5644	3m
LP5568	89mm
LP5569	127mm



**KARA**

RP5693	2m
RP5694	2.5m
RP5695	3m
LP5546	89mm
LP5547	127mm



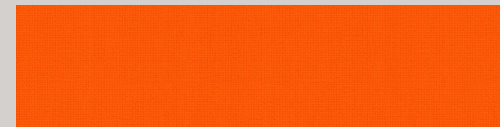
**BLACK**

RP2401	2m
RP2419	2.5m
RP5563	3m
LP2401	89mm
LP2419	127mm



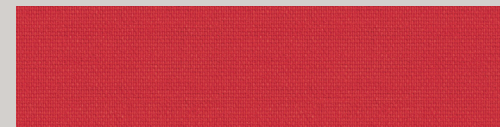
**LUNA**

RP5696	2m
RP5697	2.5m
RP5698	3m
LP5548	89mm
LP5549	127mm



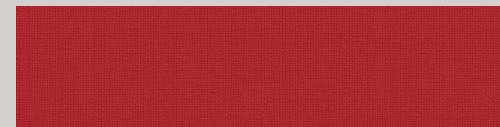
**RAYON**

RP5615	2m
RP5616	2.5m
RP5617	3m
LP5550	89mm
LP5551	127mm



**RED**

RP2402	2m
RP2420	2.5m
RP5570	3m
LP2402	89mm
LP2420	127mm



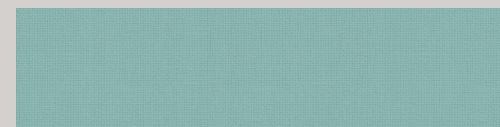
**MORELLO**

RP5648	2m
RP2420	2.5m
RP5650	3m
LP5572	89mm
LP5573	127mm



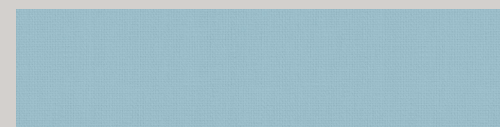
**MULBERRY**

RP5618	2m
RP5619	2.5m
RP5620	3m
LP5552	89mm
LP5553	127mm



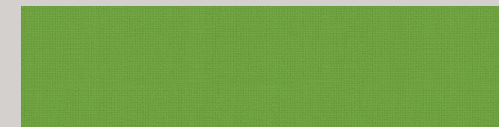
**ATMOSPHERE**

RP5621	2m
RP5622	2.5m
RP5623	3m
LP5554	89mm
LP5555	127mm



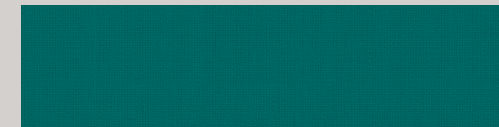
**BATIK**

RP5624	2m
RP5625	2.5m
RP5626	3m
LP5556	89mm
LP5557	127mm



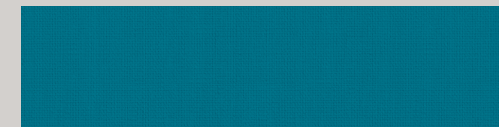
**KIWI**

RP5627	2m
RP5628	2.5m
RP5629	3m
LP5558	89mm
LP5559	127mm



**GLADE**

RP5630	2m
RP5631	2.5m
RP5632	3m
LP5560	89mm
LP5561	127mm



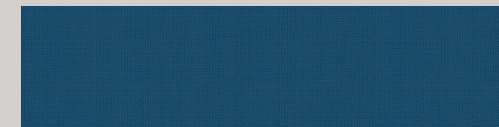
**ESCAPE**

RP5633	2m
RP5634	2.5m
RP5635	3m
LP5562	89mm
LP5563	127mm



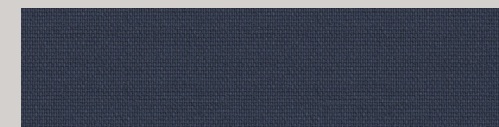
**CYAN**

RP2404	2m
RP2422	2.5m
RP5567	3m
LP2404	89mm
LP2422	127mm



**LAPIS**

RP5636	2m
RP5637	2.5m
RP5638	3m
LP5564	89mm
LP5565	127mm



**NAVY**

RP2410	2m
RP2428	2.5m
RP5569	3m
LP2410	89mm
LP2428	127mm

Unicolour® displays an array of 26 plain colourways specifically chosen for the contract environment.



**UNICOLOUR®**

Available in a selection of roller and vertical widths, Unicolour® provides the contract environment with a high quality, fire retardant compliant fabric.

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

Achieving environmental standards in accordance with the ISO 14001 Environmental Management System, Unicolour® ensures that all products are manufactured under environmental protection without adding harmful substances.

UNICOLOUR® DIMOUT SPECIFICATION	
Colour Range	26
Roller Roll Length	30m
Roller Roll Width	2m / 2.5m / 3m
Vertical Roll Length	100m
Vertical Widths	89mm / 127mm
Fabric Composition	100% Polyester
Weight	228g/m2
Thickness	0.36mm +/- 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 Type B in accordance with BS EN ISO 15025: 2002 Procedure A
Samples	Fabric samples available on request
Property	Dimout
Direction on Roll	Multi-directional

