

SOLAR, OPTICAL & COLOUR FASTNESS 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

ARONA SOLAR & OPTICAL PERFORMANCE																	
	Solar			Visible			UV Block	QRF	CF	GTOT				SC			
	RS %	TS %	AS %	RV %	TV %	AV %				SG	DG	DGLE	TG	SG	DG	DGLE	TG
Stark	72	18	10	79	16	5	100	8	5+	0.32	0.34	0.25	0.33	0.37	0.44	0.77	0.60
Warmth	71	15	14	76	14	10	100	7	6	0.32	0.34	0.25	0.33	0.37	0.45	0.77	0.61
Ray	62	15	23	67	11	22	100	6	6+	0.37	0.39	0.25	0.36	0.44	0.51	0.79	0.65
Space	47	6	47	50	4	47	100	5	6+	0.45	0.46	0.27	0.40	0.52	0.60	0.83	0.73
Brulee	61	12	27	64	8	28	100	6	5+	0.37	0.39	0.25	0.36	0.44	0.51	0.80	0.66
Zest	57	12	31	63	8	29	100	6	7	0.40	0.41	0.26	0.37	0.47	0.54	0.81	0.68
Ash	39	3	58	39	1	60	100	4	7	0.49	0.50	0.27	0.42	0.57	0.65	0.85	0.77
Stone	42	4	54	43	2	55	100	4	6+	0.47	0.48	0.27	0.42	0.56	0.63	0.85	0.75
Verde	44	9	47	29	0	70	100	4	5+	0.47	0.47	0.27	0.41	0.55	0.62	0.84	0.75
Jewel	23	1	76	19	0	81	100	2	7	0.58	0.58	0.29	0.47	0.68	0.76	0.90	0.85
Pebble	20	0	80	20	0	80	100	2	6	0.60	0.59	0.29	0.48	0.70	0.78	0.91	0.87
Wave	38	9	53	12	0	88	100	3	7	0.50	0.51	0.28	0.43	0.59	0.66	0.86	0.78
Naval	11	0	89	7	0	93	100	1	6+	0.65	0.64	0.30	0.50	0.76	0.84	0.93	0.92
Vela	18	0	82	19	0	81	100	2	7	0.61	0.60	0.29	0.48	0.71	0.79	0.91	0.88
Siren	47	11	42	17	0	82	100	3	6+	0.45	0.46	0.27	0.40	0.53	0.61	0.83	0.73
Impact	7	0	93	7	0	93	100	1	5+	0.67	0.66	0.30	0.52	0.79	0.86	0.94	0.94

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.

ARONA



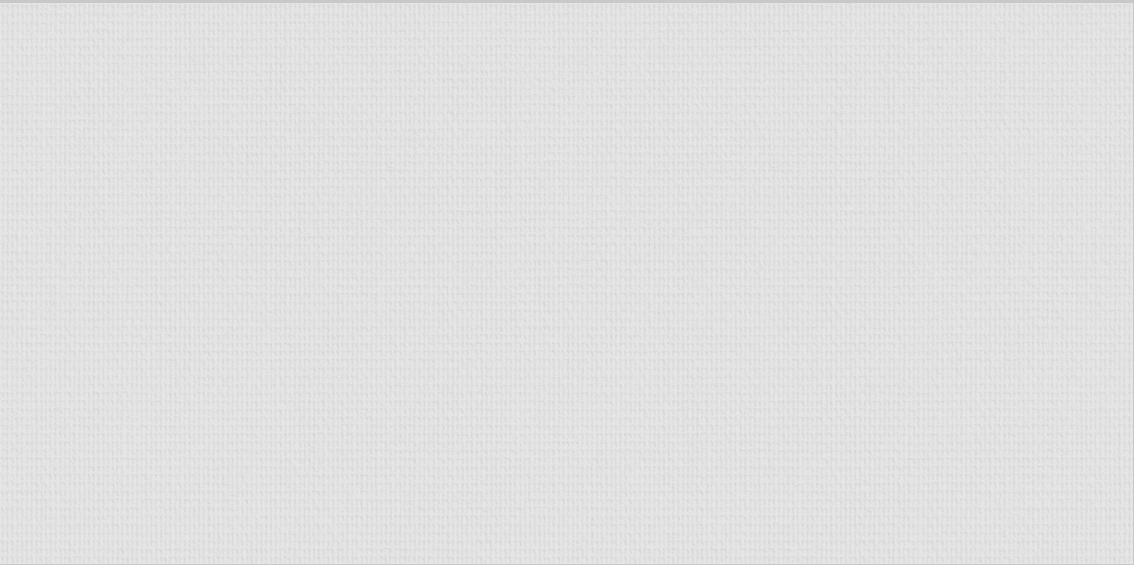
ARONA

Introducing sustainability to the contract environment, Arona is an 80% upcycled dimout fabric, woven with yarns made from recycled PET plastic waste.

With FR properties, Arona is multidirectional, and available in a 2.4m wide roller and 89mm vertical fabric, making it the ideal solution for those residential, commercial, educational and healthcare applications desiring a sustainable window coverage.

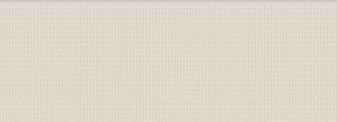
80% RECYCLED
FR FABRIC

ARONA SPECIFICATION	
Colour Range	16
Roller Length	40m
Roller Width	2.4m
Vertical Widths	89mm
Vertical Roll Length	100m
Fabric Composition	80% Recycled Polyester
Weight	215g/m²
Thickness	0.35mm
Direction on roll	Multi Directional
FR Standards	BS5867: 2008 Part 2 Type B in accordance with BS EN ISO 15025:2002 Procedure A / B1 / M1



STARK

RP6069- 2.4m
LP6069- 89mm



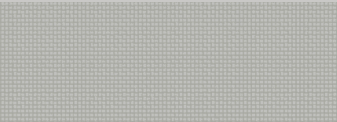
WARMTH

RP6070 - 2.4m
LP6070 - 89mm



RAY

RP6079 - 2.4m
LP6079 - 89mm



SPACE

RP6074 - 2.4m
LP6074 - 89mm



BRULEE

RP6071 - 2.4m
LP6071 - 89mm



ZEST

RP6080 - 2.4m
LP6080 - 89mm



ASH

RP6075 - 2.4m
LP6075 - 89mm



STONE

RP6072 - 2.4m
LP6072 - 89mm



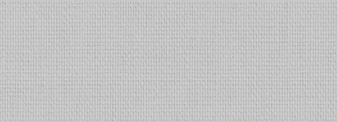
VERDE

RP6081 - 2.4m
LP6081 - 89mm



JEWEL

RP6083 - 2.4m
LP6083 - 89mm



PEBBLE

RP6073 - 2.4m
LP6073 - 89mm



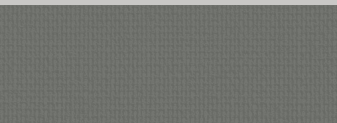
WAVE

RP6082 - 2.4m
LP6082 - 89mm



NAVAL

RP6084 - 2.4m
LP6084 - 89mm



VELA

RP6076 - 2.4m
LP6076 - 89mm



SIREN

RP6078 - 2.4m
LP6078 - 89mm



IMPACT

RP6077 - 2.4m
LP6077 - 89mm