

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 the efficiency of the fabric

G-TOT

The total solar energy transmittance entering a building through a window and shading device combined. It is the ratio 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

ALARA SOLAR & OPTICAL PERFORMANCE																		
	Solar			Visible			UV Block %	QRF	CF	GTOT				SC				
	RS %	TS %	AS %	TV %	RV %	AV %				SG	DG	TG	DGLE	SG	DG	TG	DGLE	
Alba	69	0	31	0	80	20	100	7	7	0.32	0.34	0.34	0.25	0.37	0.44	0.61	0.77	
Tranquillity	70	0	30	0	79	21	100	7	7	0.32	0.34	0.33	0.25	0.37	0.45	0.61	0.77	
Biscuit	67	0	33	0	78	22	100	7	6+	0.37	0.39	0.34	0.25	0.44	0.51	0.62	0.80	
Alto	67	0	33	0	80	20	100	7	7	0.45	0.46	0.34	0.27	0.52	0.60	0.62	0.83	
Zinc	70	0	30	0	80	20	100	8	7	0.49	0.50	0.33	0.27	0.57	0.65	0.61	0.85	
Slate	70	0	30	0	80	20	100	8	6	0.61	0.60	0.33	0.29	0.71	0.79	0.61	0.91	
Carbon	67	0	33	0	78	22	100	7	7	0.67	0.66	0.34	0.30	0.79	0.86	0.62	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.

ALARA



ALARA

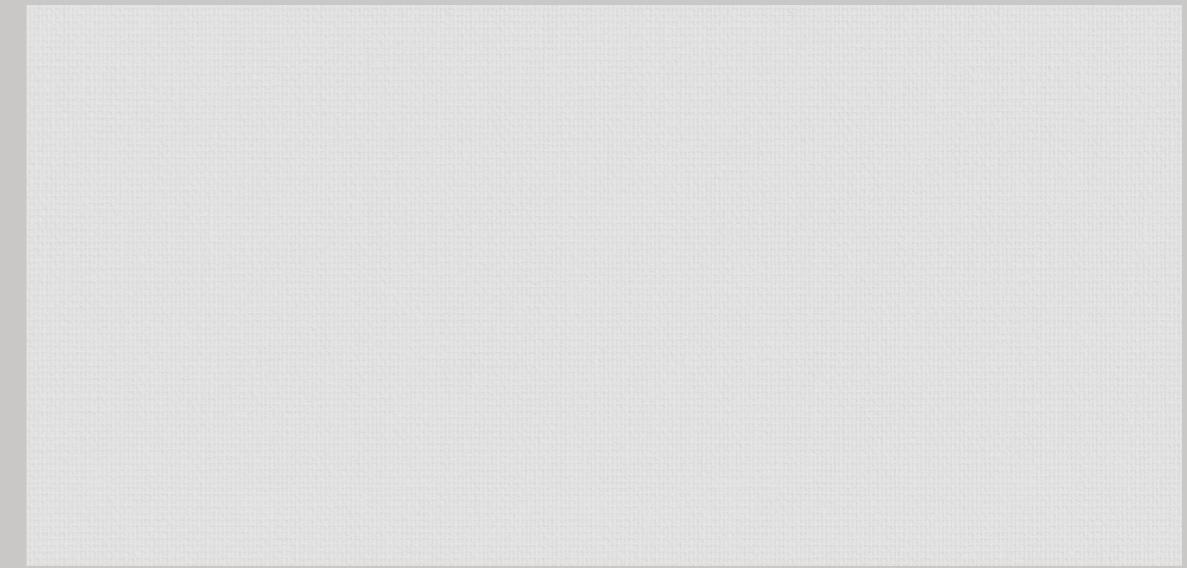
RECYCLED FR
FABRIC

Introducing sustainability to the contract environment, Alara is an 80% upcycled blockout base fabric, woven with yarns made from recycled PET plastic waste. The white backing provides a uniform aesthetic to the exterior as well as enhance solar absorption and reflection properties.

With FR properties Alara is multidirectional, and available in a 2.4m wide roller and 89mm vertical fabric, making it the ideal solution for those with wider windows.

ALARA SPECIFICATION

Colour Range	7
Roller Roll Length	30m
Roller Width	2.4m
Vertical Widths	89mm
Vertical Roll Length	100m
Fabric Backing Colour	White
Base Fabric Composition	80% Recycled Polyester
Backing Composition	100% Acrylic
Weight	325g/m ²
Thickness	0.44mm
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



ALBA

RP6116
LP6116



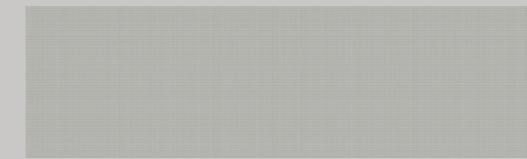
TRAQUILLITY

RP6117
LP6117



BISCUIT

RP6118
LP6118



ALTO

RP6119
LP6119



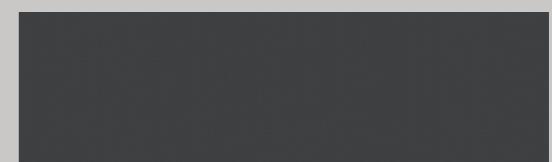
ZINC

RP6120
LP6120



SLATE

RP6121
LP6121



CARBON

RP6122
LP6122

