

**WAVERLEY**

Openness  
Factor

1%

**BetaScreen® 500 Eco**

Sustainable Screen Fabric

 **ShadeTech®**



# BetaScreen® 500 Eco

High quality sustainable glare control screen fabric, produced from 100% recycled PET bottles. BetaScreen 500 Eco has significant acoustic absorption properties, is fully recyclable and PVC free.

Applications	Properties		
 Roller blinds   Panel blinds	 Thermal comfort   Visual comfort   Fully Recyclable	 PVC free   Easy to clean   Fabric can be joined	 Flame retardant   Tear resistance

## Product Data

Composition	100% recycled PET
Widths	2700mm
Openness factor	1%
Thickness	0.38mm
Weight	220gsm
Fire rating	Din4102 B1; NFP 92503 M1; EN 13501-1 Bs2d0; NFPA 701
Cleaning	Wipe clean with a damp cloth

## Thermal Control Values

Colour	Openness	Code	Tv	Ts	Rs	As
White	1%	BS50011	25%	26%	60%	14%
Cream	1%	BS50021	23%	25%	61%	14%
Frappe	1%	BS50031	6%	8%	31%	61%
Coastal Grey	1%	BS50041	15%	17%	45%	38%
Mid Grey	1%	BS50051	9%	13%	26%	61%
Deep Grey	1%	BS50061	7%	3%	13%	84%
Noble Grey	1%	BS50071	1%	2%	9%	89%
Black	1%	BS50081	0%	0%	4%	96%

## Acoustic Absorption

Standard	Result
EN ISO 10534:2	$\alpha_w = 0.6^*$
Measured with plenum 150mm	NRC = 0.66**
EN ISO 354	$\alpha_w = 0.4-0.55^*$
	NRC = 0.45-0.55**
	(depending on mounting system)

\* Calculated according to EN ISO 11654

\*\* Calculated according to ASTM C-423

**Glare Control** Tv = % of visible light transmitted through fabric

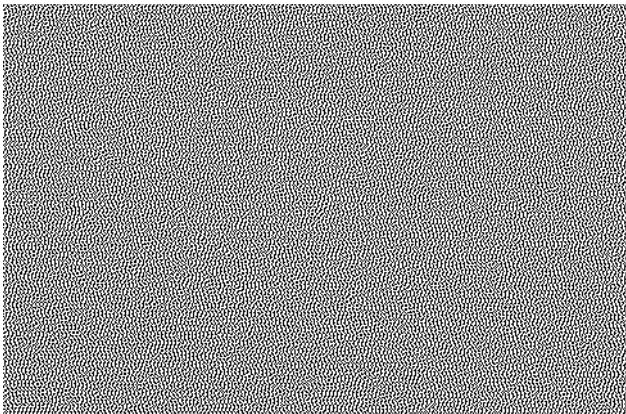
**Thermal Control** As = % of solar energy absorbed by fabric Rs = % of solar energy reflected by fabric  
Ts = % of solar energy transmitted through fabric



White



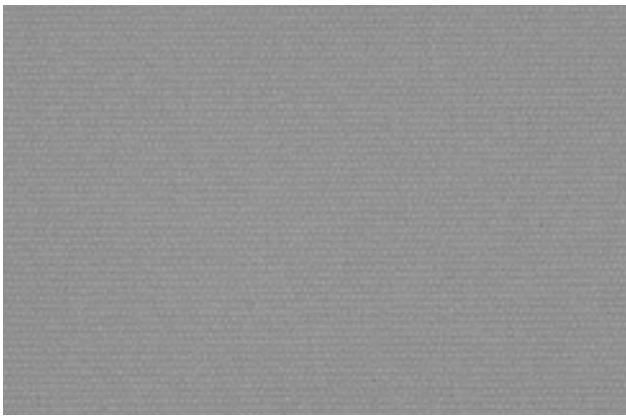
Cream



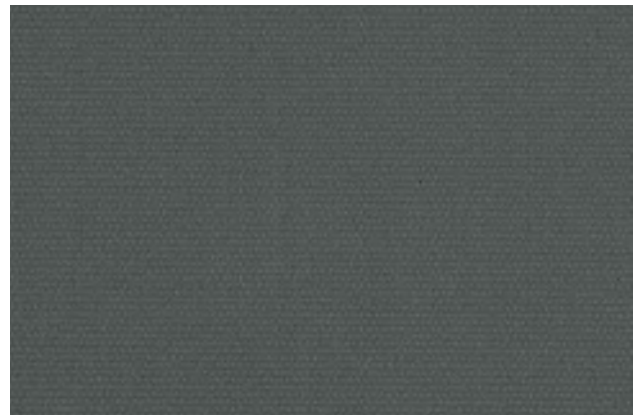
Frappe



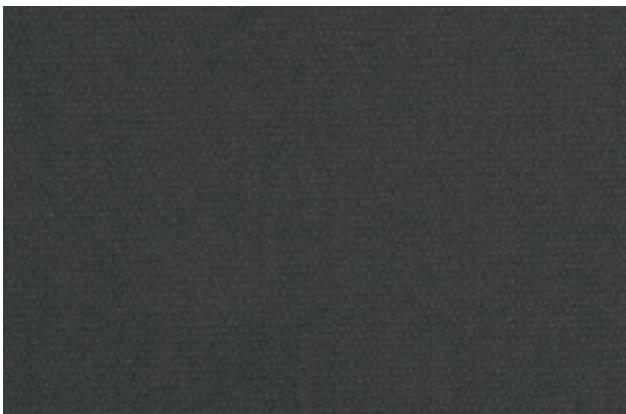
Coastal Grey



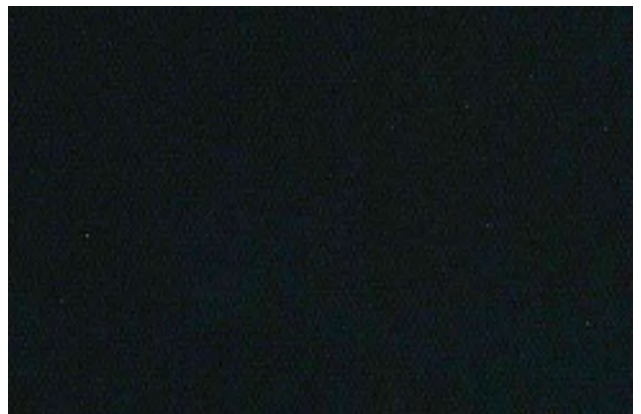
Mid Grey



Deep Grey



Noble Grey



Black

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For further information, contact our dedicated helpline

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 [waverley.co.uk](http://waverley.co.uk)

# BetaScreen® 500 Eco

Waverley's range of shade fabrics facilitate environmental accreditations such as LEED, BREEAM, SKA and The WELL Building Standard.

## Accreditations

Our fabrics have been rigorously tested and awarded with various accreditations as listed below.

## Health

Health and wellbeing are Waverley's biggest priority and we pride ourselves on manufacturing responsibly, while also ensuring ethical sourcing across our range.

## Environmental Responsibility

At Waverley, we understand the importance of taking responsibility for the effect we have on the environment and the need to reduce our carbon footprint. BetaScreen 500 Eco contains 100% recycled content. EPD available for this fabric.



# WAVERLEY

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