



Smartlouvre
Technology

PRODUCT BROCHURE

KOOLSHADE®



- Blocks solar heat gain
- Provides essential shade
- Dramatically reduces aircon requirement/costs



THE INTELLIGENT CHOICE FOR SOLAR SHADING

- 100% Heat Block
- Full Vision Out
- Sustainable
- Maintenance Free
- Allows Ventilation
- Easy To Install

- Daylight
- Emotional Wellbeing
- Beautiful Sunny Views
- Vitamin D
- Physical Health

Microlouvre KoolShade®

A result of decades of extensive international research and development, KoolShade® is a high-performance, woven metal fabric, with its weft constructed of bronze louvres. It can be used in its fabric form or tensioned in a frame, for controlling and diffusing sun, light and air.

The micro-fine louvres are angled to suit a number of applications, whether to ensure optimum light in or redirect light, whilst blocking heat and glare, or to allow ventilation and filtration of air.





Fabric

Microlouvre KoolShade® fabric is what we weave.

First created in the 1940's SmartLouvre Technology has brought this solar shading technology into the 21st century.

The original weaving machines have been computerised and a range of fabrics has been developed to further combat solar heat gain.

Made from recycled scrap metal and 100% recyclable, Microlouvre KoolShade® has never been more beneficial; to you, your buildings and in the race against climate change.

KoolShade® Metal Fabric K700-17

Thickness of fabric:

1.55mm coated

Weft width:

1.25mm coated

Weft thickness:

0.30mm coated

Louvre pitch:

1.50mm centre to centre

Gap between each louvre:

1.20mm coated

Warp spacing:

12.70mm centre to centre

Fabric Weight:

1.10 kg / m²

Clear open area:

80%

Openness factor:

67%

Fabric composition:

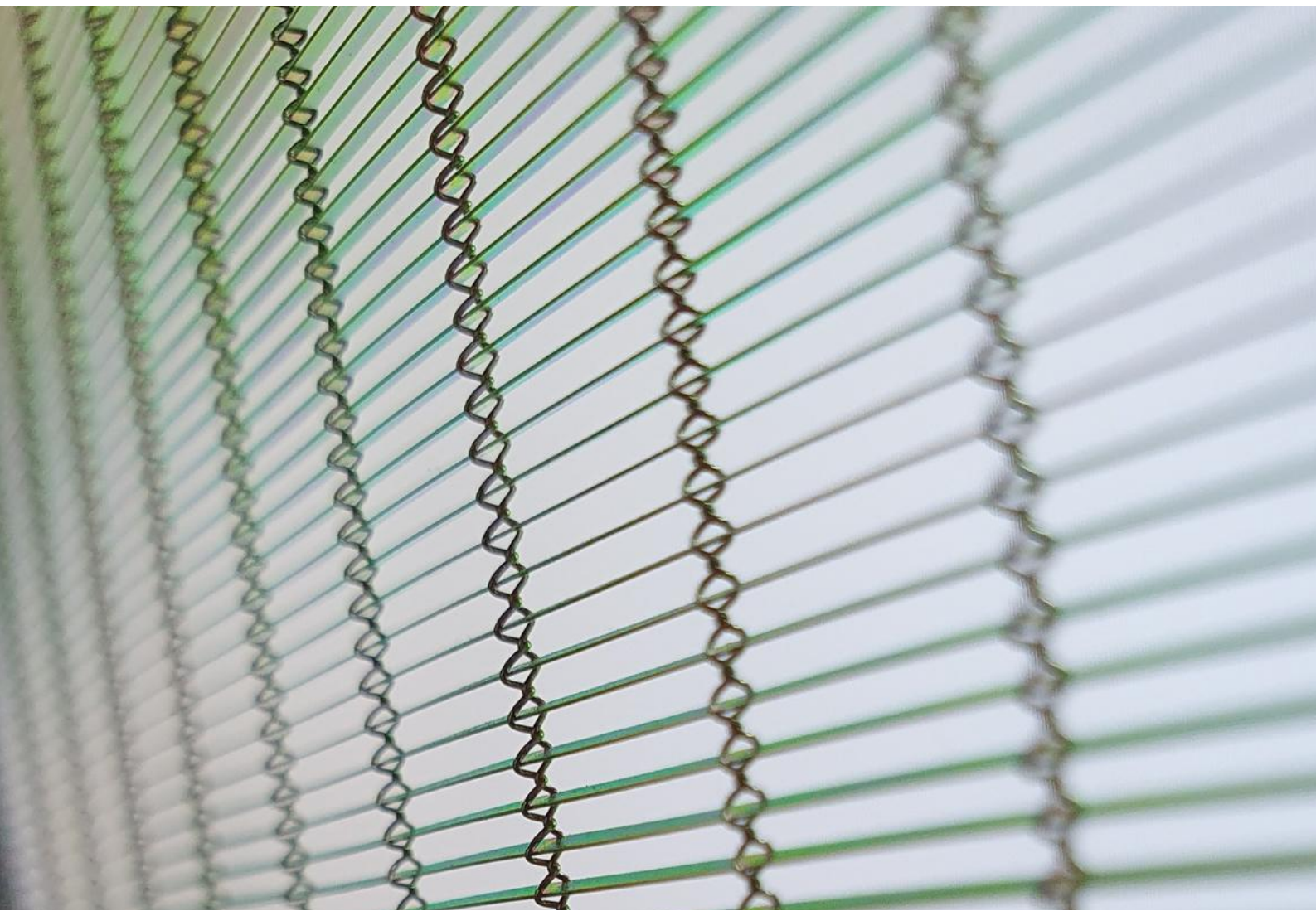
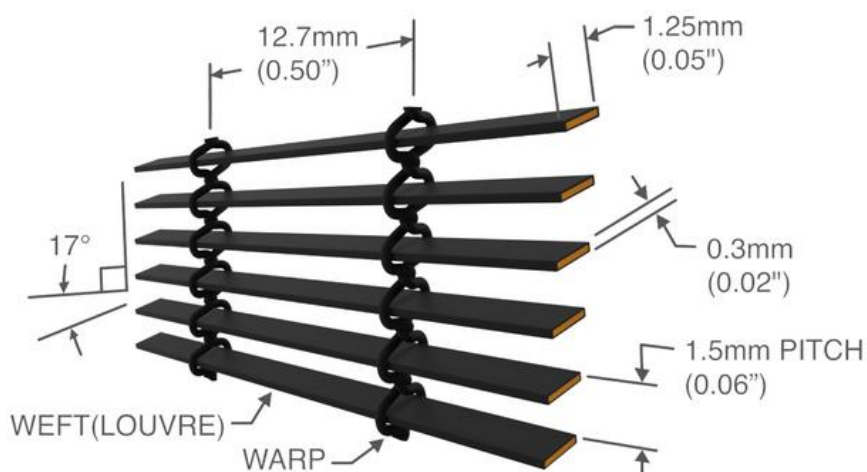
90% CuZn15 (C230) commercial bronze and 10% CUSi3Mn1 (C655) silicon bronze

Finishes:

Polyester powder coat in any RAL colour (with the ability to create designs on the fabric which are directionally visible)

Fire rating:

Class A1/A2-s1,d0 in accordance with BS EN 13501-1:2007+A1:2009



KoolShade® Metal Fabric K700-0

Thickness of fabric:

1.55mm coated

Weft width:

1.25mm coated

Weft thickness:

0.30mm coated

Louvre pitch:

1.50mm centre to centre

Gap between each louvre:

1.20mm coated

Warp spacing:

12.70mm centre to centre

Fabric Weight:

1.10kg / m²

Clear open area:

80%

Fabric composition:

90% CuZn15 (C230) commercial bronze and 10% CUSi3Mn1 (C655) silicon bronze

Finishes:

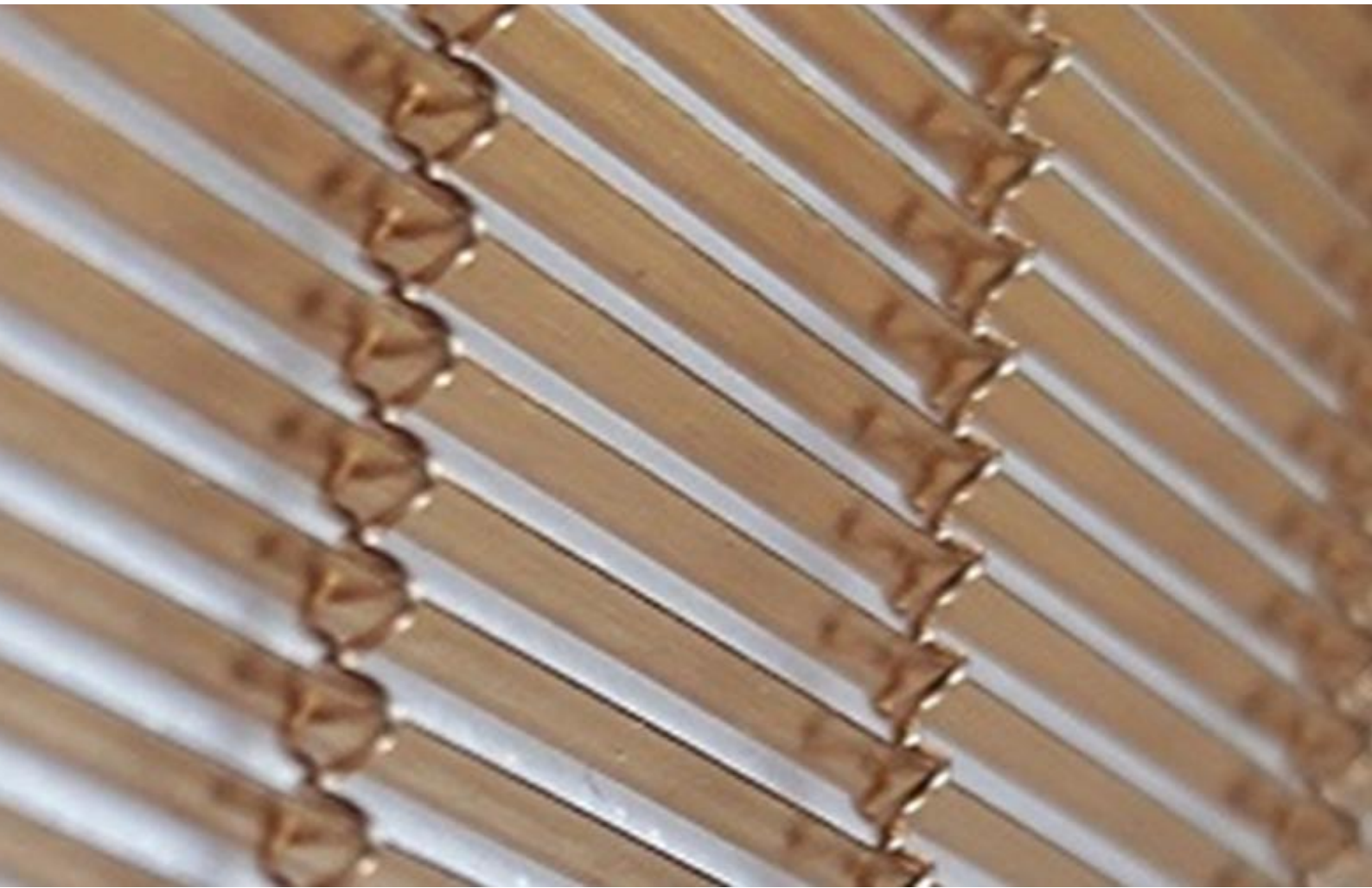
Polyester powder coat in any RALcolour (with the ability to create designs on the fabric which are directionally visible)

Fire rating:

Class A1/A2-s1,d0 in accordance with BS EN 13501-1:2007+A1:2009

Resistance to wind:

Hurricane proof: 100mph/160kph



KoolShade® Metal Fabric K700-LSA

Thickness of fabric:

2.26mm coated

Weft width:

1.7mm coated

Weft thickness:

0.38mm coated

Louvre pitch:

1.5mm centre to centre

Gap between each louvre:

1.12mm coated

Warp spacing:

12.70mm centre to centre

Fabric Weight:

1.35kg / m²

Clear open area:

80%

Fabric composition:

90% CuZn15 (C230) commercial bronze and 10% CUSi3Mn1 (C655)

silicon bronze

Finishes:

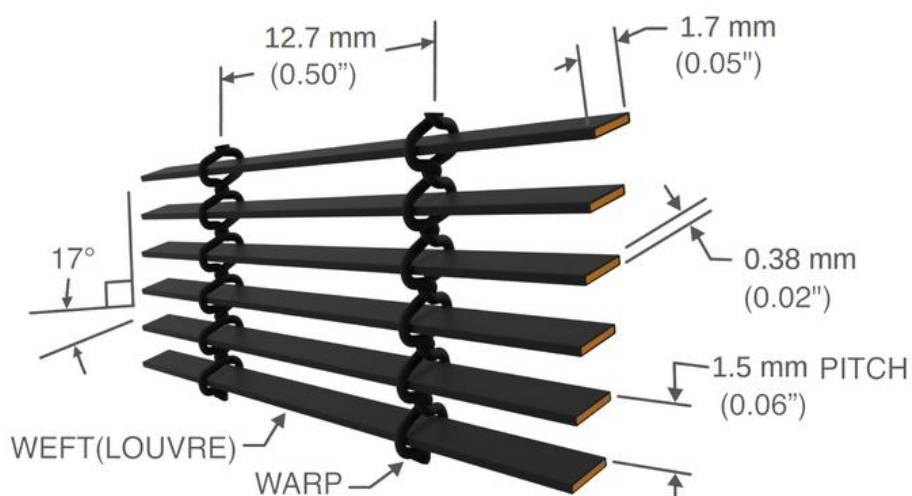
Polyester powder coat in any RAL colour (with the ability to create designs on the fabric which are directionally visible)

Fire rating:

Class A1/A2-s1,d0 in accordance with BS EN 13501-1:2007+A1:2009

Resistance to wind:

Hurricane proof: 100mph/160kph

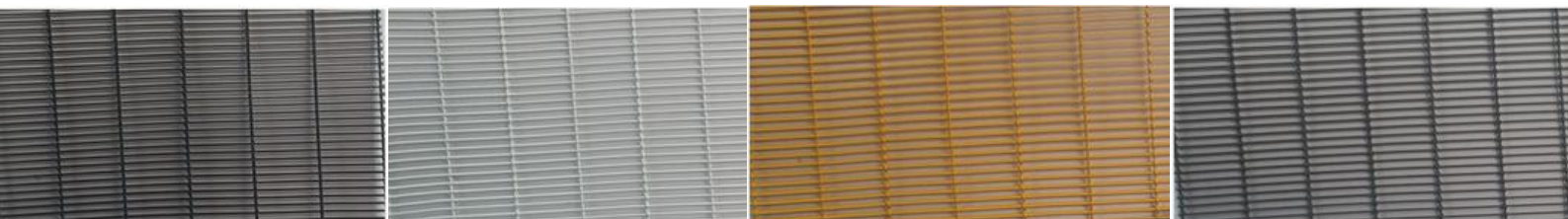


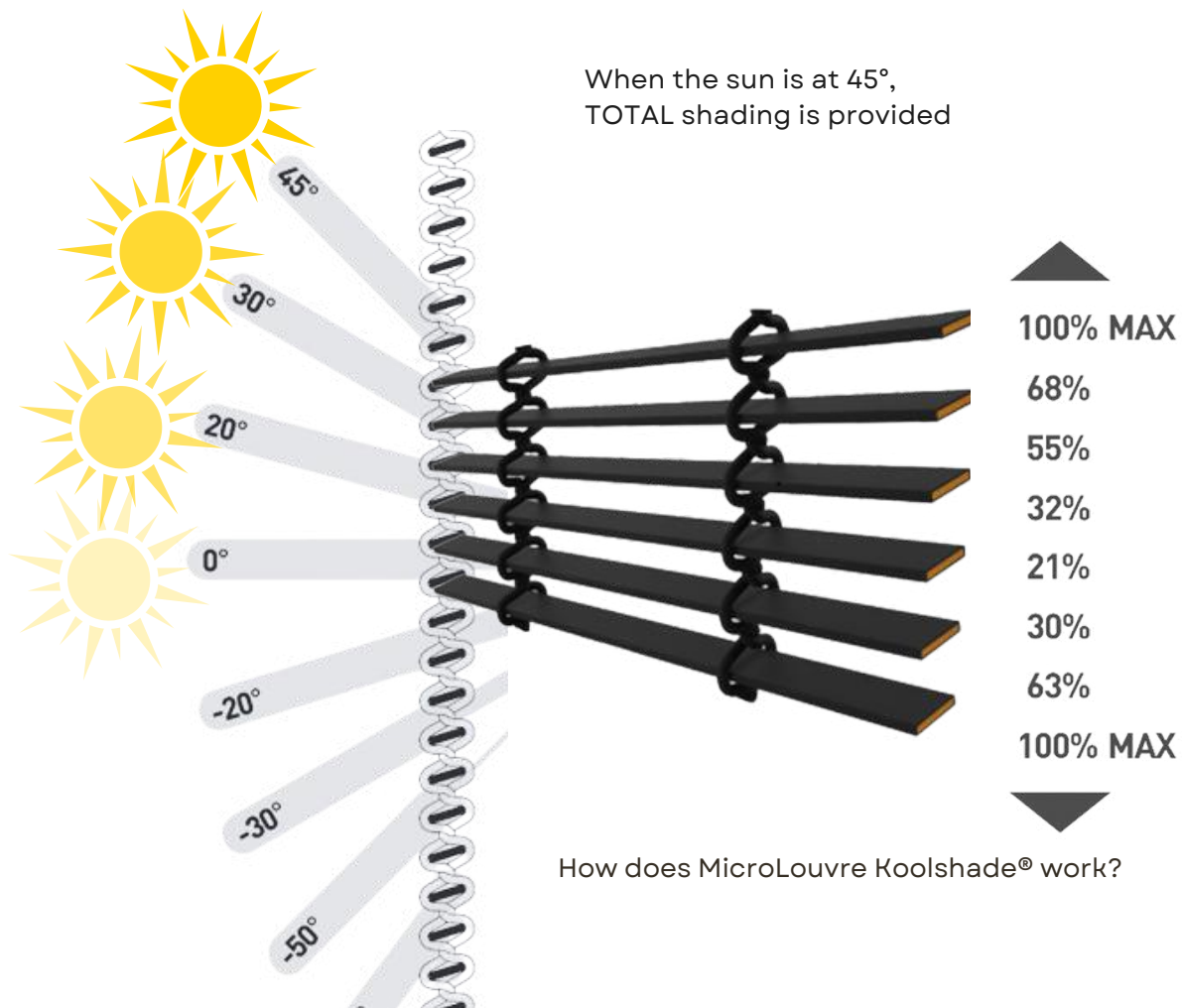
KoolShade® Colours



#353c40

≈ Anthracite Grey

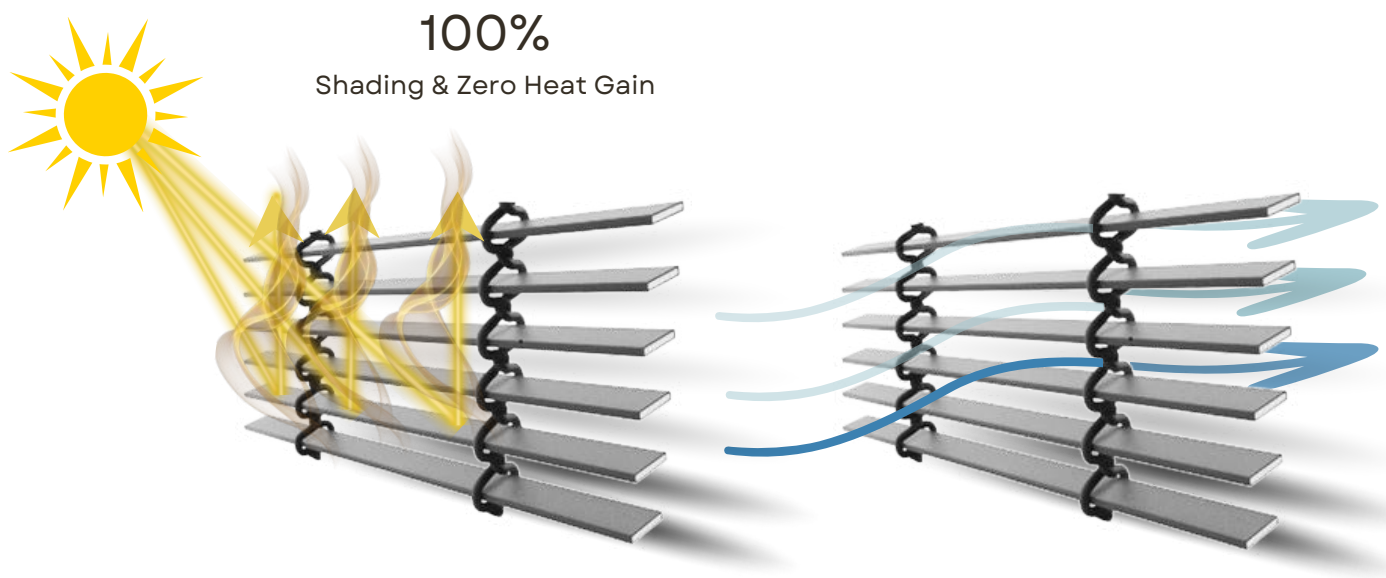




How does MicroLouvre Koolshade® work?

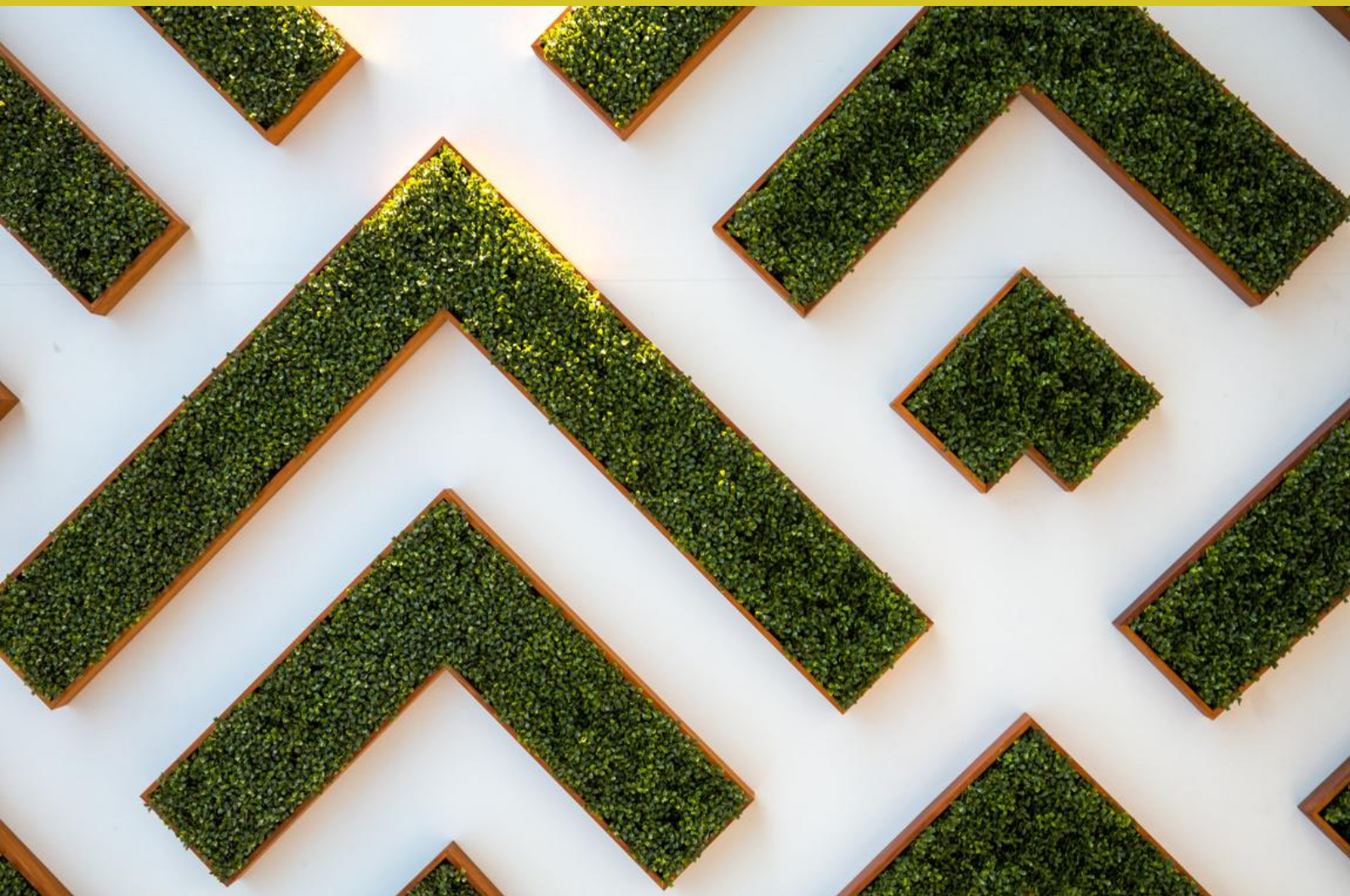
in simple terms

It doesn't allow the hot solar radiation through, it gets deflected by the angled micro-louvres.



But still allows light and ventilation to pass through as normal. This keeps rooms well lit and comfortably cool.





Manufacturer of
MicroLouvre KoolShade® fabric
A unique remedy to the challenges of
solar climate change on our habitat.

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