



Smartlouvre  
Technology

PRODUCT BROCHURE

**KOOLSHADE<sup>®</sup>**



- 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 / m<sup>2</sup>

**Clear open area:**

80%

**Openness factor:**

67%

**Fabric composition:**

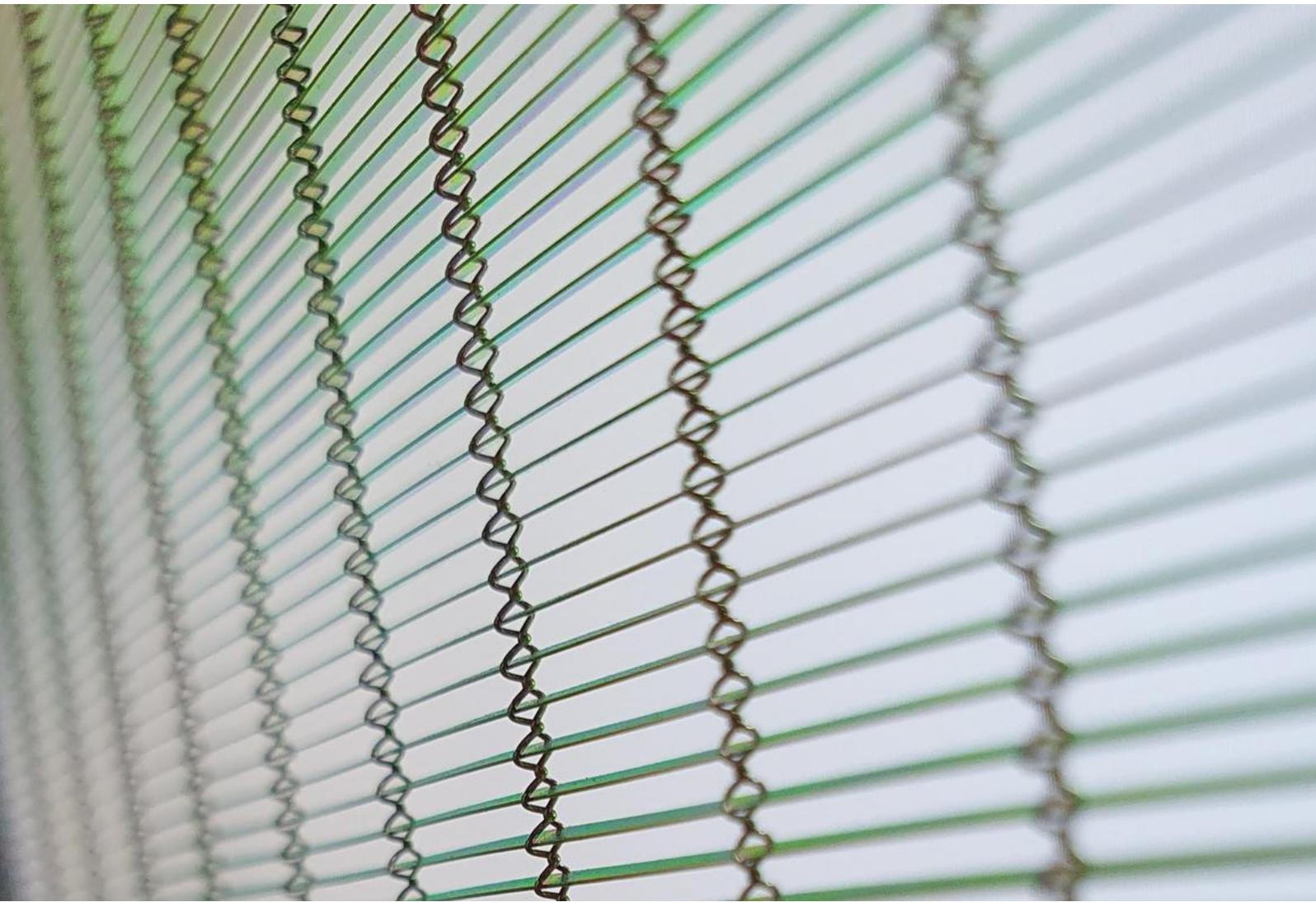
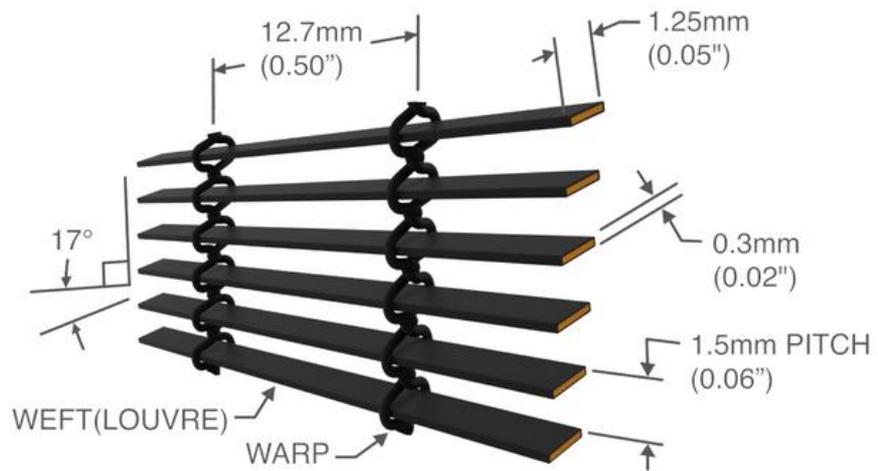
90% CuZn15 (C230) commercial bronze and 10% CUSi3Mn1 (C655) silicon bronze

**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 / m<sup>2</sup>

**Clear open area:**

80%

**Fabric composition:**

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

**Finishes:**

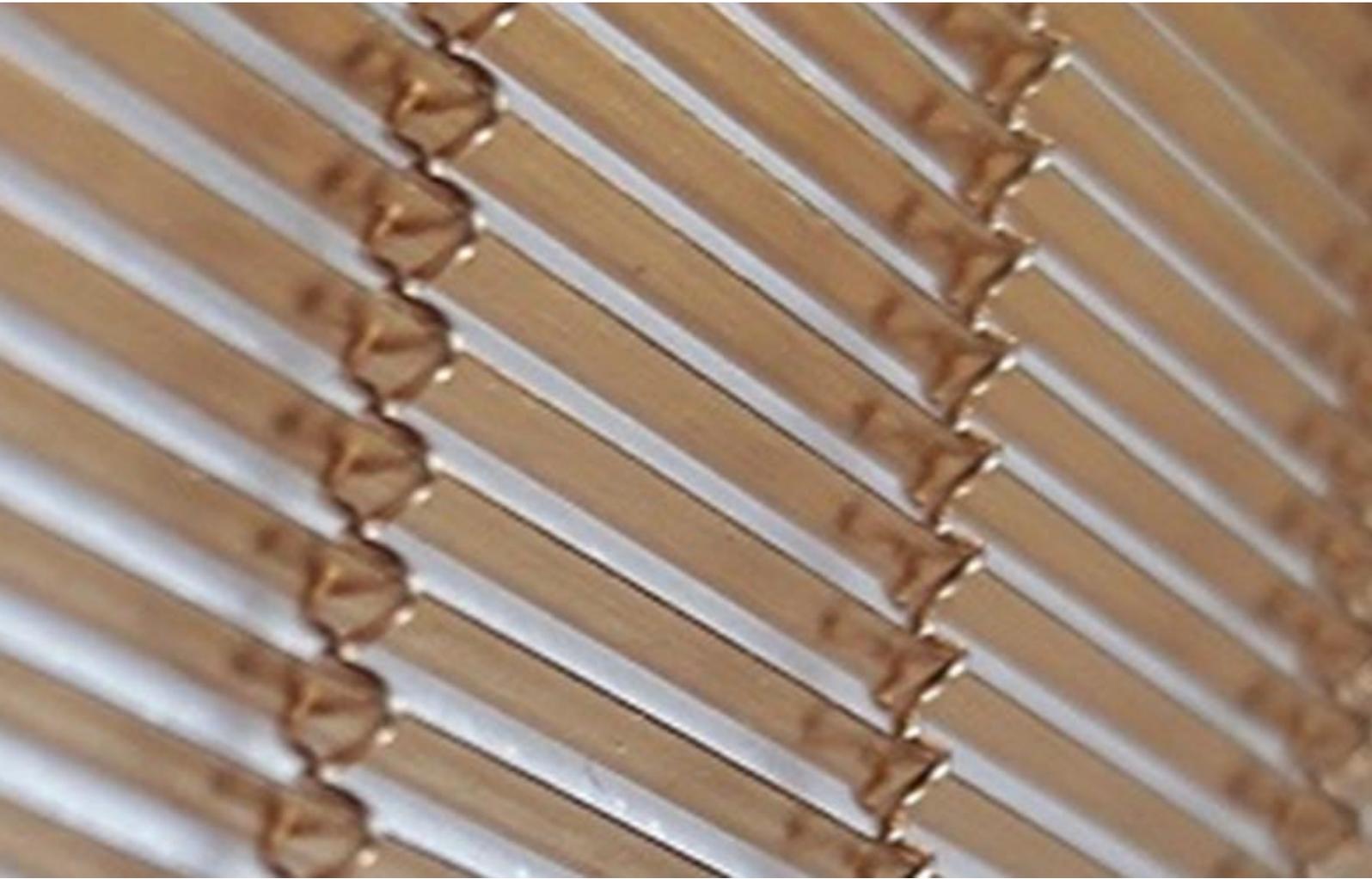
Polyester powder coat in any RALcolour (with the ability to create designs on the fabric which are directionally visible)

**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 / m<sup>2</sup>

**Clear open area:**

80%

**Fabric composition:**

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

silicon bronze

**Finishes:**

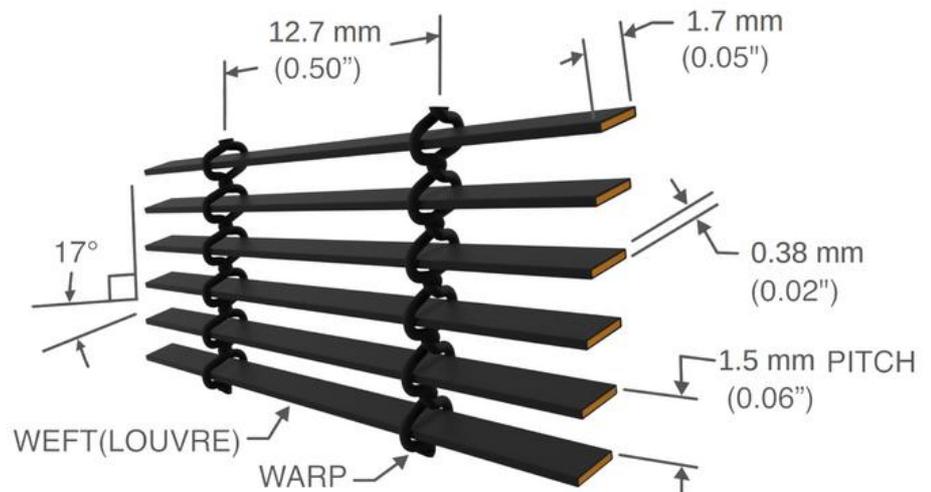
Polyester powder coat in any RAL colour (with the ability to create designs on the fabric which are directionally visible)

**Fire rating:**

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

**Resistance to wind:**

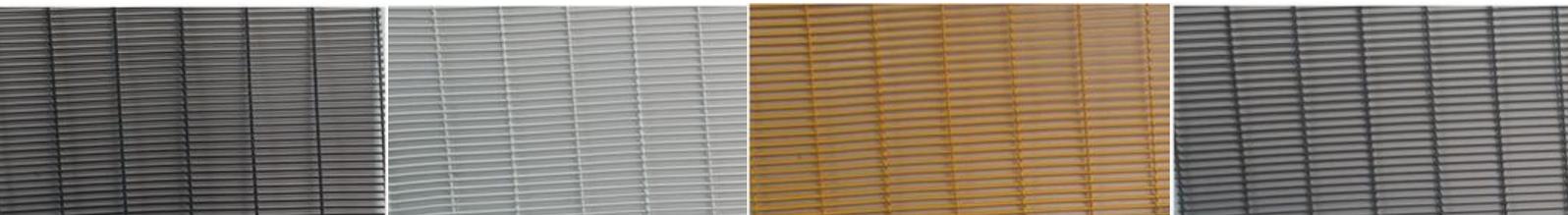
Hurricane proof: 100mph/160kph

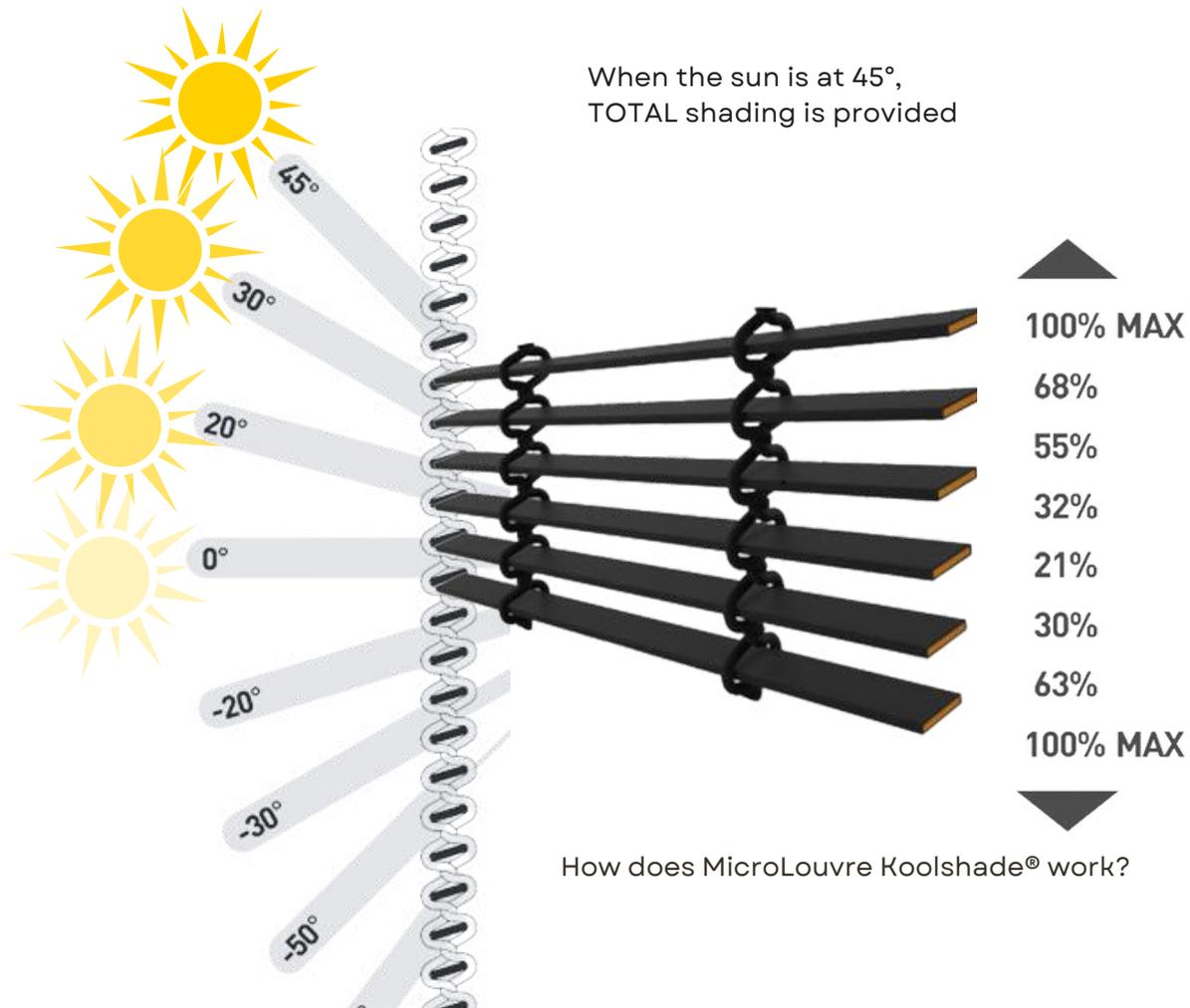


# KoolShade® Colours



#353c40                      ≈ Anthracite Grey

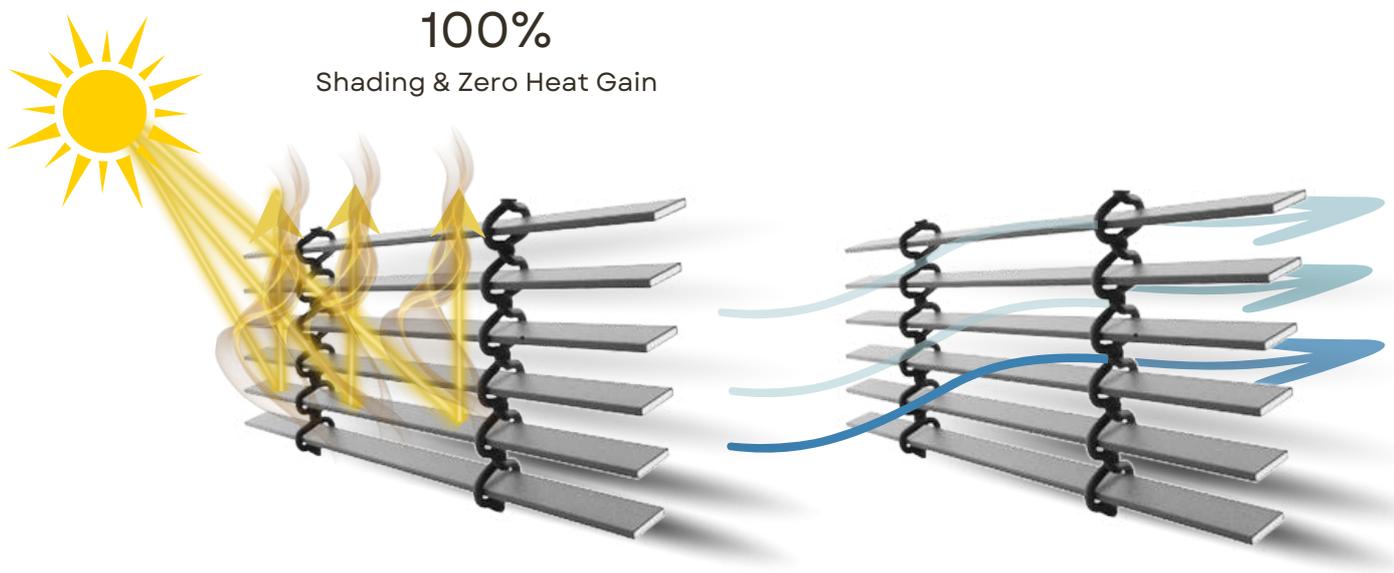




How does MicroLouvre Koolshade® work?

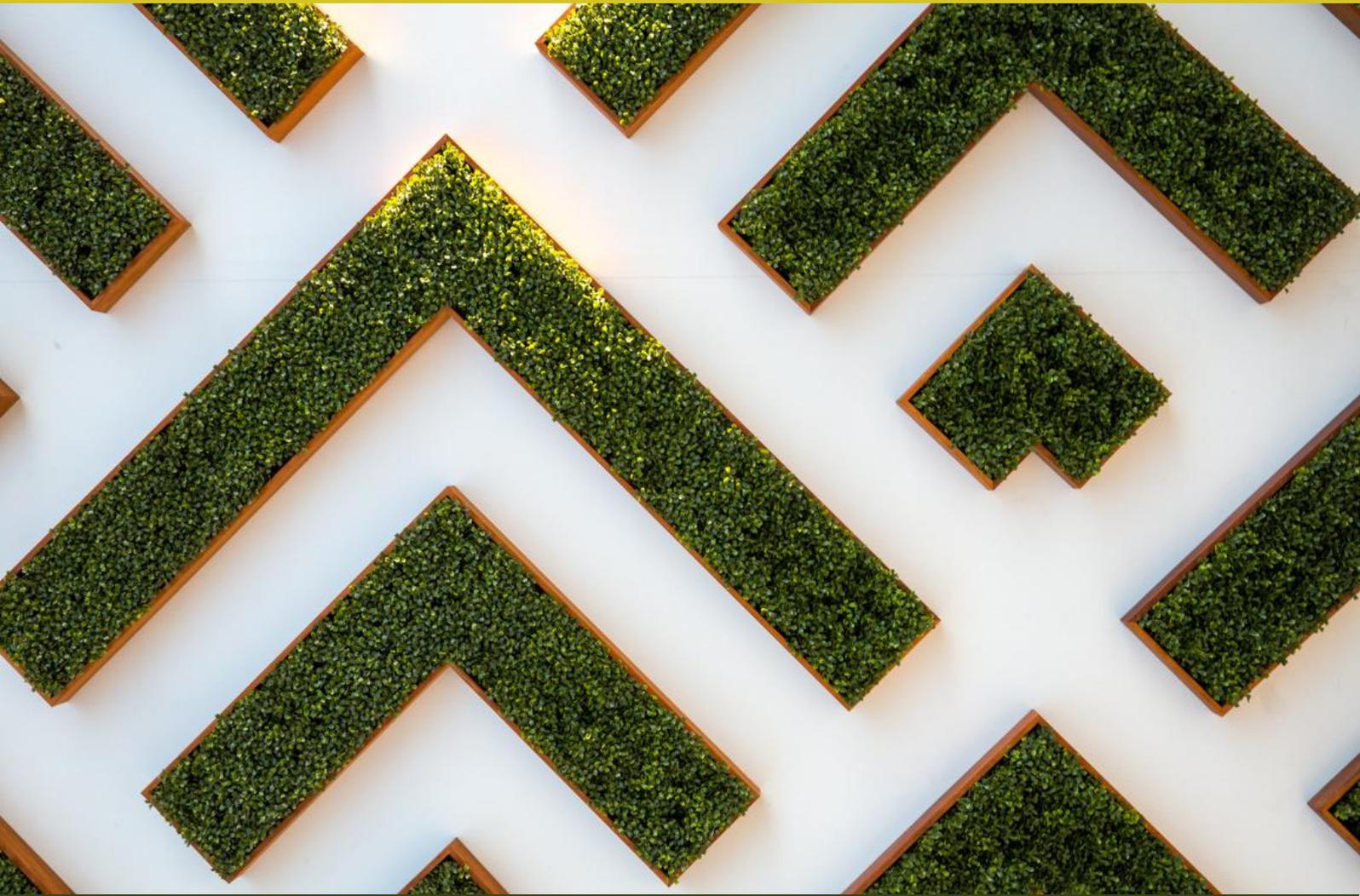
## in simple terms

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.





**Smartlouvre**  
Technology

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

**SLTechnology Ltd. Global Manufacturers of MicroLouvre KoolShade® Fabric**  
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