

1. Product Identification

Product Name: KoolShade[®] Metal Fabric and Screens

Manufacturer:

SmartLouvre Technology Ltd, 18 The Tanneries, Brockhampton Lane, Havant, Hampshire, UK, PO9 1JB

Contact: info@smartlouvre.com, +44 (0) 2392 456333, www.smartlouvre.com

2. Composition/Information on Ingredients

Fabric Composition:

- o 90% CuZn15 (C230) Commercial bronze
- o 10% CUSi3Mn1 (C655) Silicon bronze

Finishes: Polyester powder coat (various RAL colours possible)

Frame Composition:

- o Extrusions – Aluminium EN AW6063 T6
- o Lacer Wire – 316 Stainless Steel
- o Anti-Vibration Wedge
- o Ceramic Thermal Break - to suit application

Finishes: Polyester powder coat (various RAL colours possible)

3. Hazards Identification

Physical State: Woven metal fabric & Screen, non-combustible solid

Hazards: No known hazards in use as intended. Abrasive edges possible if cut or modified–use gloves and take care during fabrication and installation.

Fire Rating: Class A1/A2-s1,d0 (non-combustible to BS EN 13501-1)

4. First Aid Measures

Skin Contact: If cut or abraded, clean the wound and seek medical advice if necessary.

Eye Contact: Rinse with water if debris enters the eye.

Inhalation/Ingestion: Not relevant in normal use.

5. Firefighting Measures

Extinguishing Media: Non-flammable. Use suitable extinguishing media for surrounding fire.

6. Accidental Release Measures

No special measures required: Collect material using gloves and dispose of according to local scrap metal regulations.

7. Handling and Storage

Handling: Use protective gloves when handling large or cut sections.

Storage: Store in a dry place; avoid mechanical damage or deformation.

8. Exposure Controls/Personal Protection

Protective Gear: Gloves are recommended during cutting or modification.

9. Physical and Chemical Properties

Appearance: Fine woven metal louvre screen (typically black or other RAL colours)

Weight: Fabric Approx. 1.10 kgs / m² (ppc coated)

Weight: Screen Approx. 3-4 kg/m² dependent on frame option/size

Fabric Thickness: 1.55mm (K700-17)

Screen Frame Thickness: 13mm (refer drawing No. ML-GA-FE Ref07)

Open Area: 80%

Fire Performance: Non-combustible (A1/A2)

Wind Resistance: Hurricane proof (100mph/160kph)

10. Stability and Reactivity

Stability: Stable, inert under normal environmental conditions

Reactivity: No dangerous reactions; corrosion resistance due to bronze and powder-coating

11. Toxicological Information

No health hazard in normal use. Not a source of dust, gas, or hazardous decomposition.

12. Ecological Information

Fully recyclable 100%

Made with ~90% recycled metals.

0% Power to operate

0% Carbon footprint

No leaching of hazardous substances under normal conditions.

13. Disposal Considerations

Recycle as non-ferrous scrap metal in accordance with local regulations.

14. Transport Information

Not classified as dangerous goods for transport.

15. Regulatory Information

Fire Compliance: BS EN 13501-1:2007+A1:2009 (A1/A2-s1,d0)

Product/Manufacturer Certification: ISO 9001:2015

16. Other Information

Warranty: 10 years for material and workmanship (with regular service)

Lifespan: 60+ years with zero energy or ancillary power needs.