

KoolShade Guide Specification

Type : External Solar Shading / Solar Control

Colour: Fabric: (standard) Black RAL 9005

Frame: as required

1.3 Quality Assurance:

1.3.1 Manufacturer to be ISO 9001: 2015

1.3.2 Supplier / Installer to be able to demonstrate suitable compliance and competence

1.3.3 Manufacturer shall have a minimum of fifteen (15) years experience in the manufacture of specified solar shading system.

1.3.4 Conform to applicable Building Code and Local Authority having jurisdiction and all other standards noted.

1.4 Inspection/Preparation:

1.4.1 Verify that any sub-structure necessary to carry screen assembly hardware is adequate and properly installed and secure.

1.4.2 Notify Customer in writing of any deficiencies in the work of other trades that would affect the window treatment system.

1.4.3 Make accurate measurements at the site before fabrication. Check layout of glazing framing sections, spans, and loading capabilities.

1.5 Delivery Storage and Handling:

1.5.1 Do not deliver to site until areas to receive screens are completely finished.

1.5.2 Deliver materials in original protective wrappings / containers, with manufacturer's labels and seals intact.

1.5.3 Handle and store materials according to manufacturer's recommendations protecting materials and finishes from damages, marring of finishes or soiling.

1.7 Warranty:

1.7.1 Provide a limited manufacturer's warranty from the Date of Substantial Completion, covering the following:

Product: Ten (10) years for faulty material and workmanship conditional on regular service in accordance with recommendations and a certified service record kept.

Coatings: Two (2) Years conditional on regular service in accordance with recommendations and a certified service record kept.

1.7.2 Provide a limited installation warranty from Date of Substantial Completion, covering a period of XX year. (Distributor to commit)

1.7.3 Submit standard manufacturer's maintenance contract for review by Customer.

2.0 PRODUCT

2.1 Manufacturer:

Smartlouvre Technology Ltd, 18 The Tanneries, Brockhampton Lane, Havant, Hampshire, UK. Phone: +44 (0) 2392 456333 Email: Sales@smartlouvre.com. Web: www.smartlouvre.com Please note when approving an alternate system manufacturer please ensure that the performance criteria set forth in these specifications (1.1 & 1.3) are met.

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Talk to us:

+44 (0) 239 245 6333

Request a sample:

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2.2 Ancillary Hardware: to meet specific project requirements.

2.3 Key performance characteristics

Product : Solar Shading Screens Passive
Performance Summary : Refer 1.1 above

2.4 Type of System (Standard)

Passive/Static	Direct Fix Lift In/Lift Out Hinged
Passive/Dynamic	Lateral Sliding Vertical Sliding Angled Sliding Other (to be specified)

3.0 EXECUTION

3.1 Fabrication:

3.1.1 Screen system components manufactured and assembled allowing for installation techniques to suit project requirements.

3.1.2 The screen shall be manufactured from long-lasting metal fabric Bronze metal to be to BSEN 12166, tested in accordance with ISO 9227, ISO 6270, ASTM G154, QUVB 3138 Aluminium Extrusions to E N 755 – 9, coated to EN 12206, EN 13438, AAMA 2603-13 Sealants and ancillary components: specify as required

3.1.3 Finished screens shall be, square, true to size and free from distortion, twist, or other defects that could affect their strength, operation or appearance. Factory applied finish shall be uniform, smooth and without blemishes.

3.1.4 The metal fabric shall be retained under tension by a proven stainless-steel retention system inside the top and bottom frame extrusions. Where necessary the top and bottom frame extrusions will have predetermined negative bow in order to compensate for the tension of the metal fabric. The bottom frame section to be drilled with drainage holes where required.

3.1.5 Standard Screens: The metal fabric shall be secured within the side frames by EPDM retaining strip to ensure tension no vibration. FHA Screens: The metal fabric shall be secured within the side frames by A1 EPDM retaining strip to ensure tension no vibration.

3.2 Installation:

3.2.1 Install work by supplier's competent tradesmen and installed in strict accordance with manufacturers recommendations. 3.2.2 All items installed, plumbed, squared, rigidly coupled and adequately anchored, maintaining uniformed clearances, accurate alignment levels, and parallel with the window plane.

3.2.3 The screen shall be pre-measured and manufactured off-site

3.2.4 Adjust screens, operating components and locks as required to ensure smooth and trouble-free operation without binding.

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3.3 Final Works:

3.3.1 Clean screens and surroundings with fresh water and leave in a tidy condition

3.3.2 Replace work, which cannot be satisfactorily repaired, adjusted, or cleaned.

3.4 Service:

3.4.1 Wash screens and fittings with clean fresh water approximately once a year. In areas of high pollution (eg traffic, birds etc) or where the atmosphere is saline (ie. close to the sea) wash more frequently as required.