

sample

kampus listed buildings

14 07 2021

sample sign-off 03.03 • aluminium louvres**description:**

glazed in aluminium windows following requirements discussed under condition 32.

RAL 7021 to match window frame. refer KAM-GB-LB-XX-TS-009 technical submission appended for further details.

approved at site visit on 14 07 2021.

location:

minshull & turner building (canal street elevation only) / minshull house (all elevations).

image:

RAL7021
BLACK GREY

fig01: example of louvre to head of window arrangement to canal street elevation of minto & turner. sample as viewed on site.

Purpose of Issue : FOR APPROVAL			Date: 11/09/2019
Project: Kampus Manchester			
Contractor: Mount Anvil			
DOCUMENT NUMBER KAM-GB-XX-TS-009		REVISION 00	
TITLE: TECHNICAL SUBMITTAL Heavy Duty Glazed in aluminium Louvre			
Revision History	DATED	Name / Company	Notes
00	11/09/2019	George Barnsdale Commercial Ltd	1 st ISSUE

Consultant Comments			

Status	A	B	C
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RENSON LOUVRE SPECIFICATIONS

Brand : LOUVRE PANEL

Type : 424 – GLAZED-IN 50mm pitch wall louvre

A high duty extruded aluminium louvre panel using a L.050 pitch blade mounted into an integrated frame. It is designed to be glazed into a pre formed opening.

System operation and performance:

Type	424
Visual Free Area	70%
Physical Free Area	49%
K-factor: Intake	13.42
K-factor: Discharge	9.35
Ce coefficient: Intake	0.273
Cd coefficient: Discharge	0.327

Watertightness (HEVAC) – Class B (with water channel) at 0.5m/s

Dimensions/Size Range:

Thickness (mm)	28
Pitch (mm)	50

Product Construction:

Profile: Extruded aluminium (EN 12020-2)

Surface Treatment:

Polyester powder coating in RAL 7021 colour (40 micron): aluminium profiles pre-treated to resist corrosion to guarantee.

Stainless steel insect mesh 2.3mm x 2.3mm secured to the rear
Water channel

Product Information:

<http://www.rensonuk.net/Louvres-panels-United-Kingdom.html>

424

Glazed-in louvre, heavy-duty series

GLAZED-IN
LOUVRE

ALUMINIUM



MATERIAL

- Made from aluminium sections: AlMgSi 0.5 (according to EN 12020-2)
- Stainless steel 304 insect screen (2.3 x 2.3 mm)
- Finishing: anodized in satin colour (20 micron) or powder-coated in any RAL or Syntha Pulvin colour (40 micron)

DIMENSIONS

- Blade pitch: 50 mm
- Frame thickness: 24 or 28 mm
- Specify on ordering: full width x height in mm
- Minimum dimensions: 220 x 220 mm

FIXING

- Suitable for 24 and 28 mm glazing sections. Other thicknesses on request.

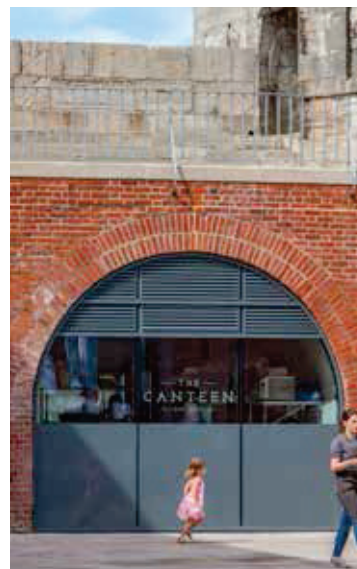
OPTIONS

- Stainless steel 304 mesh (6x6/10x10/20x20 mm) or without
- Insect screen or mesh in stainless steel 316
- Water channel
- Drainage profile
- Removable mesh
- Filter

TECHNICAL SPECIFICATIONS

All properties are valid for the standard version of the Louvre, unless otherwise stated.

Airflow		[EN 13030]
K-factor [entry]		13.42
K-factor [discharge]		11.73
C _e coefficient		0.273
C _d coefficient		0.292
Technical data		
Visual free area		70%
Physical free area		49%
IP class [louvre with mesh; electrical installation at 105 mm at least]		IP2XD



TECHNICAL DRAWINGS

