timloc building products

INTERNAL GRILLES & AIRBRICK COWLS

DATASHEET



For sustaining airflow and reducing draughts

Use

- To cover the inner opening on the cavity sleeve and provide a neater appearance while still maintaining a free flow of air
- To provide an external cowl over the airbrick to help reduce draughts caused by wind blasts

Features & Benefits

- Aesthetically pleasing
- Simple screw fixing
- Excellent airflow properties
- Durable and totally resistant to decay

Quality

- Satisfies all NHBC requirements
- Manufactured to BS EN ISO 9001 and BS EN ISO 14001
- Complies with all relevant Building Regulations
- Meets all relevant British Standards

Material & Colour

Plastic grilles
- Manufactured by injection moulding in ABS/HIPS
- Available in white only

Metal grilles
- Manufactured in high quality pressed aluminium
- Grilles are available in three types of finish, plain aluminium, brass anodised and polished brass

External cowls
- Manufactured by injection moulding in polypropylene
- Cowls are available in brown and terracotta

Products in the System

Louvre grilles - A permanently open vent with no flyscreen or closing method but with visible airflow marking to comply with the requirements of BS5440 Part 2 2009 : BS EN 13141-1 : 2004.

Louvre grilles with flyscreen - A permanently open vent with a fixed flyscreen but no airflow indication.

Adjustable (hit and miss) grilles - Can be open or closed with an integral flyscreen but no airflow indication.

Installation Advice

- Internal grilles should be positioned over the internal opening of the cavity sleeve and fixed to the wall using screws and wall plugs
- External cowls are positioned over the face of the airbrick and fixed to the wall using screws and wall plugs. The opening of the cowl should face down towards the ground
- Never block or restrict the flow of air through these ventilators. The louvre grilles have no insect screen fitted - in order to comply with British Gas requirements
- Use open louvre grilles when ventilating a gas or heat producing appliance - never use hit & miss grilles in such situations

Environmental Product Declaration

A quantification of environmental information regarding the life cycle of some Internal Plastic Grilles. GWP total is for production stages A1-A3. Verified in accordance with ISO 14025. View the full EPD at timloc.co.uk.

Product	EPD Reference	EPD Mass (KG)	GWP A1-A3 (KG CO2e)
1207W	EPD HUB, HUB-2180	0.075	1.05E-01
1207WF	EPD HUB, HUB-2180	0.1594	2.23E-01
1208W	EPD HUB, HUB-2180	0.1594	2.23E-01
1209W	EPD HUB, HUB-2180	0.2214	3.10E-01
1210W	EPD HUB, HUB-2180	0.2544	3.56E-01
1211W	EPD HUB, HUB-2180	0.141	1.97E-01
1211WF	EPD HUB, HUB-2180	0.2214	3.10E-01
1212W	EPD HUB, HUB-2180	0.187	2.62E-01
1212WF	EPD HUB, HUB-2180	0.2544	3.56E-01

Bill of Quantity

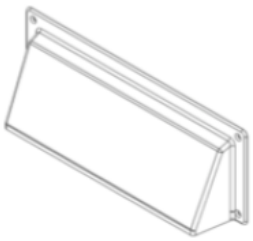
Cowl range
F30 Accessories/sundry items for brick/block/stone walling

Clause
171 VENTILATION DUCTS
- To BS493, Class 1, built in as the work proceeds.
- Manufacturer: Timloc Building Products, Timloc House, Ozone Park, Howden, East Yorkshire, DN14 7SD. T: 01405 765567
- Reference: ABC Cowl Range
- Use: To provide an external cowl over the airbrick to help reduce draughts caused by wind blasts.

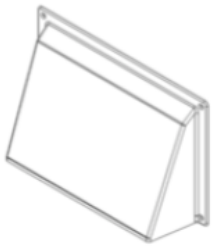
Plastic & metal wall grilles 1200 range
U90 General Ventilation - Domestic
INTERNAL WALL VENTILATION
- Manufacturer: Timloc Building Products, Timloc House, Ozone Park, Howden, East Yorkshire, DN14 7SD. T: 01405 765567, W: www.timloc.co.uk
- Reference: Reference: Plastic & Metal wall grilles 1200 range
- Use: To cover the inner opening on the cavity sleeve and provide an aesthetically acceptable appearance, while still maintaining a free flow of air. Available in a range of airflow sizes with both colour and finish options.

Equivalent Areas

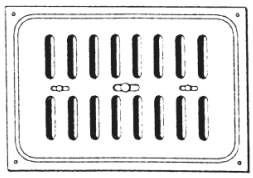
Equivalent Area	Equivalent Area (Flyscreen)	Product Code
7600mm²	3750mm²	1207 (9 x 3 louvred)
11300mm²	7150mm²	1211 (9 x 6 louvred)
16500mm²	8190mm²	1212 (9 x 9 louvred)



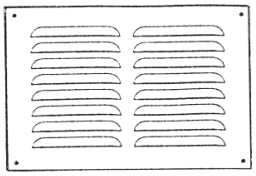
9 x 3 external cowl



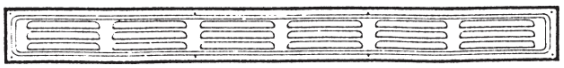
9 x 6 external cowl



Metal hit and miss vent



Metal louvre vent



Metal return air grille

Product Codes

Internal Plastic Grilles

Description	Colour	Fixing Hole Dimensions	Overall Dimensions	Equivalent Area	Product Code
9 x 3 louvre vent	White	242mm x 86mm	260mm x 194mm	7600mm²	1207W
9 x 6 louvre vent	White	242mm x 152mm	260mm x 170mm	11300mm²	1211W
9 x 9 louvre vent	White	242mm x 217mm	260mm x 235mm	16500mm²	1212W
9 x 3 louvre vent with flyscreen	White	242mm x 86mm	260mm x 104mm	3750mm²	1207WF
9 x 6 louvre vent with flyscreen	White	242mm x 152mm	260mm x 170mm	7150mm²	1211WF
9 x 9 louvre vent with flyscreen	White	242mm x 217mm	260mm x 235mm	8190mm²	1212WF
9 x 3 hit & miss louvre vent	White	242mm x 86mm	260mm x 104mm	3750mm²	1208W
9 x 6 hit & miss louvre vent	White	242mm x 152mm	260mm x 170mm	7150mm²	1209W
9 x 9 hit & miss louvre vent	White	242mm x 217mm	260mm x 235mm	8190mm²	1210W

Internal Metal Grilles

Description	Colour	Fixing Hole Dimensions	Overall Dimensions	Equivalent Area	Product Code
9 x 3 hit & miss vent	Plain aluminium	230mm x 77mm	242mm x 89mm	3741mm²	1220A
9 x 3 hit & miss vent	Brass anodised	230mm x 77mm	242mm x 89mm	3741mm²	1220BA
9 x 3 hit & miss vent	Polished brass	230mm x 77mm	242mm x 89mm	3741mm²	1220PB
9 x 6 hit & miss vent	Plain aluminium	230mm x 153mm	242mm x 165mm	6452mm²	1221A
9 x 6 hit & miss vent	Polished brass	230mm x 153mm	242mm x 165mm	6452mm²	1221PB
9 x 9 hit & miss vent	Plain aluminium	230mm x 230mm	242mm x 242mm	11250mm²	1222A
9 x 9 hit & miss vent	Polished brass	230mm x 230mm	242mm x 242mm	11250mm²	1222PB
9 x 3 louvre vent	Plain aluminium	230mm x 77mm	242mm x 89mm	3973mm²	1223A
9 x 3 louvre vent	Brass anodised	230mm x 77mm	242mm x 89mm	3973mm²	1223BA
9 x 3 louvre vent	Polished brass	230mm x 77mm	242mm x 89mm	3973mm²	1223PB
9 x 6 louvre vent	Plain aluminium	230mm x 153mm	242mm x 165mm	7946mm²	1224A
9 x 6 louvre vent	Brass anodised	230mm x 153mm	242mm x 165mm	7946mm²	1224BA
9 x 6 louvre vent	Polished brass	230mm x 153mm	242mm x 165mm	7946mm²	1224PB
9 x 9 louvre vent	Plain aluminium	230mm x 230mm	242mm x 242mm	12770mm²	1225A
9 x 9 louvre vent	Brass anodised	230mm x 230mm	242mm x 242mm	12770mm²	1225BA
9 x 9 louvre vent	Polished brass	230mm x 230mm	242mm x 242mm	12770mm²	1225PB
25.2 x 2 return air grille	Brass anodised	636mm x 48mm	648mm x 60mm	9774mm²	1226BA

External Cowls

Description	Colour	Fixing Hole Dimensions	Overall Dimensions	Equivalent Area	Product Code
9 x 3 external cowl	Terracotta	237mm x 78mm	255mm x 96mm	8700mm²	ABC93TE
9 x 3 external cowl	Brown	237mm x 78mm	255mm x 96mm	8700mm²	ABC93BR
9 x 6 external cowl	Terracotta	237mm x 136mm	255mm x 154mm	16000mm²	ABC96TE
9 x 6 external cowl	Brown	237mm x 136mm	255mm x 154mm	16000mm²	ABC96BR
9 x 9 external cowl	Terracotta	256mm x 217mm	274mm x 235mm	23900mm²	ABC99TE
9 x 9 external cowl	Brown	256mm x 217mm	274mm x 235mm	23900mm²	ABC99BR

NB. Guidance in BS EN 13141-1 : 2004 indicates the "free area" of a background ventilator is typically 25% larger than its "equivalent area"