

TECHNICAL DATA SHEET



ASH & LACY

CHIGASKET [®]
reduces thermal bridging

Chi-Gasket[®] A2

Product Description

Chi-Gasket[®] is a patented (GB 2541513) component system allowing rain screen installations to benefit from the low thermal conductivity values associated with aerogel insulants (synthetic amorphous silica) to reduce thermal bridging within the design.

The insulant is held within a sleeve which attaches directly to an Ash & Lacy bracket meaning application is as simple as fitting standard rain screen bracketry.

Features and Benefits

Chi-Gasket[®]

- provides an enhanced thermal barrier between the external cladding and inner components of the assembly positioned closest to the building external wall.
- offers superior thermal performance at reduced profile thickness compared to other insulation solutions.

The Insulant

- is hydrophobic repelling liquid water.
- is breathable allowing vapour to pass through helping to control corrosion under insulation.

Instructions for use

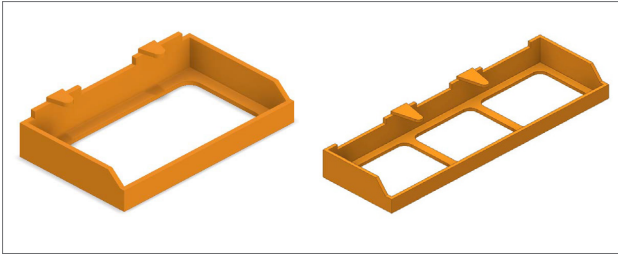
- Keep in original packaging in a dry well ventilated area until ready for use.
- Open packaging in the immediate work area to minimise any potential dust generation.
- Aerogel insulants being hydrophobic are not suited to water dust suppression techniques.
- Dusts should ideally be controlled by local exhaust ventilation.
- Cleaning of dusts from using the product is best achieved by dry vacuum with HEPA filter.
- Any waste from damaged gaskets should be collected in to sealable disposal bags.



Technical Data

Cage	Specification/ Method	Value/ Result
Reaction to fire		Small gasket exclusion
Material		PA66
Colour		Red
80L (single)	External dimensions	84.5 x 52 x 21.5mm
160L (double)	External dimensions	165.5 x 52 x 23.5mm

Insulant	Specification/ Method	Value/ Result
Thickness		10mm
Colour		Off-white
Density		220 Kg/m ³
Thermal conductivity	ISO 8301:1991 / BS EN 12667:2001	0.018 W/mK
Reaction to fire	EN 13501-1:2007	A2-s1,d0



Orange Chi-Gasket for use with Ash & Lacy bracketry

Technical Data continued

Bracket	Part Number	Dead Load
Single	AXL-HB090S-TP	1.789
Single	AXL-HB120S-TP	1.342
Single	AXL-HB150S-TP	1.004
Single	AXL-HB180S-TP	0.665
Single	AXL-HB210S-TP	0.512
Single	AXL-HB240S-TP	0.359
Double	AXL-HB090D-TP	4.240
Double	AXL-HB120D-TP	4.240
Double	AXL-HB150D-TP	3.180
Double	AXL-HB180D-TP	2.282
Double	AXL-HB210D-TP	1.755
Double	AXL-HB240D-TP	1.228
Double	AXL-HB270D-TP	1.038
Double	AXL-HB300D-TP	0.848

Bracket Type	Wind Suction (kN)	Wind Pressure (kN)
AXL-HBXXS-TP	5.044	4.827
AXL-HBXXD-TP	5.391	5.000

Applicable Patent

Great Britain No. GB 2541513

Health and Safety considerations

Aerogel insulants are hydrophobic and may release dusts during installation. These dusts may cause temporary drying and irritation of the skin, eyes and mucous membranes.

If inhaled dusts may cause temporary upper respiratory tract irritation.

First Aid measures

Inhalation

Remove to fresh air. Allow conscious casualty to drink water to clear throat, and blow nose.

Eyes

Do not rub as this may cause abrasive injury. Immediately flush with water.

Skin

Wash skin with soap and water.

Ingestion

No adverse effects anticipated from incidental ingestion.

If irritation of skin, eyes or respiratory tract persists seek medical attention.

Control

EH40 UK Workplace Exposure Limits dusts:

10 mg/m³ TWA (inhalable) 4 mg/m³ TWA (respirable)

Personal Protective measures

Respiratory

Where natural ventilation fails to control dust levels an FFP3 dust mask to EN 149 is recommended.

Hand

Impervious gloves to EN 374 are recommended.

Skin

Long-sleeved and long-legged work clothing is advised.

Eye

Safety glasses with side shield or where extremely dusty goggles to EN 166 are recommended.

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For further information
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www.sigpt.co.uk/chigasket

IMPORTANT: Directions for use are given for guidance only and are not intended to form part of any contract. They should be varied or adapted to suit your particular materials or conditions of use. Goods supplied by the company are made to approved standards from the highest quality raw materials but no warranty or guarantee is given as to their suitability for any particular purpose or application, and no liability is accepted for any loss or damage arising directly or indirectly from the use of the Company's products irrespective of any information given to us as to intended use of such products. It is therefore recommended that prospective users should test a sample of this product under their own conditions to satisfy themselves that the product is suitable for the purpose intended.


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