



## FOAMGLAS® PERINSUL HL – The Insulation that thinks it’s a brick!

### FOAMGLAS® PERINSUL HL ---- Frequently Asked Questions

**1. What is FOAMGLAS® PERINSUL HL?**

FOAMGLAS® PERINSUL HL is a loadbearing insulation block. Made of cellular glass with a bitumen/glass fleecce & HDPE on the top and bottom faces; it is designed to be incorporated into masonry walls, timber frame walls, door and window sills. FOAMGLAS® PERINSUL HL reduces thermal/cold bridging and therefore reduces heat loss and reduces the risk of condensation and mould growth.

**2. What are the standard sizes of FOAMGLAS® PERINSUL HL?**

Dimensions of standard FOAMGLAS® PERINSUL HL blocks are:-

Item	Thickness mm	Width mm	Length mm
Perinsul HL	65	100	450
Perinsul HL	65	140	450
Perinsul HL	65	215	450
Perinsul HL	100	100	450
Perinsul HL	100	140	450
Perinsul HL	100	215	450
Perinsul HL	140	140	450
Perinsul HL	140	215	450

**3. Where can I get FOAMGLAS® PERINSUL HL prices?**

To download a current price list, please go to [uk.foamglas.com/en/building/quicklinks/price\\_list/](http://uk.foamglas.com/en/building/quicklinks/price_list/)  
Prices can also be found at local distributors.

**4. Where can I purchase FOAMGLAS® PERINSUL HL?**

A list of our distributors can be found at [uk.foamglas.com/en/building/company/contact/distributors](http://uk.foamglas.com/en/building/company/contact/distributors)

**5. Who is my local sales/technical representative for FOAMGLAS® PERINSUL HL?**

For your local Sales/Technical representative, please refer to [uk.foamglas.com/en/building/company/contact/contact\\_us](http://uk.foamglas.com/en/building/company/contact/contact_us)



**6. What's the difference between SL and HL?**

For the UK market, FOAMGLAS® PERINSUL HL supersedes the older FOAMGLAS® PERINSUL SL product.

**7. Is FOAMGLAS® PERINSUL HL stocked in the UK?**

Small stocks of the popular sizes are held within the UK.

Please email your request to [info@foamglas.co.uk](mailto:info@foamglas.co.uk) for further information as we will be happy to assist.

**8. What is the typical delivery time?**

From smaller quantities of UK stock products 3 -5 working days.

Larger quantities or non UK stock items allow up to 10-14 working days.

**9. Can I collect from the warehouse?**

Following a placement of order, please allow a minimum of one full working day before collection.

**10. Where is the warehouse?**

Our FOAMGLAS® PERINSUL HL warehouse is based in Abingdon, Oxfordshire. The collection address will be confirmed on the order confirmation. Please email your request to [info@foamglas.co.uk](mailto:info@foamglas.co.uk) for further information as we will be happy to assist.

**11. Is it supplied in single packs or pieces?**

FOAMGLAS® PERINSUL HL is sold in full packs only. Pieces per pack are indicated on the pricelist.

**12. How many packs are on a Pallet ?**

The quantity of packs per pallet depends on the dimension of the FOAMGLAS® PERINSUL HL block. This information can be found within the price list. To download a current price list go to [uk.foamglas.com/en/building/quicklinks/price\\_list/](http://uk.foamglas.com/en/building/quicklinks/price_list/)

**13. What is the weight of a pack?**

The weight per pack depends on the dimension of the FOAMGLAS® PERINSUL HL block. This information can be found within the price list. To download a current price list go to [uk.foamglas.com/en/building/quicklinks/price\\_list/](http://uk.foamglas.com/en/building/quicklinks/price_list/)

**14. How should I store FOAMGLAS® PERINSUL HL?**

Store FOAMGLAS® PERINSUL HL off the ground, in a covered area, protected from frost, wind and rain. All FOAMGLAS® materials must be stored and used as per the technical guidance. The technical guidance can be requested from your local technical representative.

**15. Do you manufacture anything other than the standard sizes for FOAMGLAS® PERINSUL HL?**

For quantities greater than 1,000 linear meters it may be feasible to manufacture non-standard sizes. Please email your request to [info@foamglas.co.uk](mailto:info@foamglas.co.uk) as we will be happy to assist. Please note that requested bespoke sizes must be first approved by a FOAMGLAS® technical consultant and will be classed as a Special Order within our General Terms and Conditions of Sale.

**16. Where can I get technical information for Masonry Wall calculations incorporating FOAMGLAS® PERINSUL HL?**

To request the data sheet, please email your request to [info@foamglas.co.uk](mailto:info@foamglas.co.uk) as we will be happy to assist.

**17. Where can I download technical information regarding FOAMGLAS® PERINSUL HL?**

For FOAMGLAS® Technical and Installation Literature, see [www.foamglas.co.uk](http://www.foamglas.co.uk), or please email your request to [info@foamglas.co.uk](mailto:info@foamglas.co.uk) as we will be happy to assist.

For FOAMGLAS® NBS Specifications and BIM information, please see [www.ribaproductselector.com/foamglas](http://www.ribaproductselector.com/foamglas)

**18. Where can I get a sample of FOAMGLAS® PERINSUL HL?**

To request a sample of FOAMGLAS® PERINSUL HL, please email your request to [info@foamglas.co.uk](mailto:info@foamglas.co.uk) for further information as we will be happy to assist.

**19. Does FOAMGLAS® PERINSUL HL have a BBA certificate?**

FOAMGLAS® PERINSUL HL has a BBA certification number 14/5111.

**20. Is FOAMGLAS® PERINSUL HL approved by the NHBC?**

FOAMGLAS® PERINSUL HL has NHBC approval provided it is installed and used in accordance with BBA certification 14/5111.

**21. What is the compressive strength of FOAMGLAS® PERINSUL HL?**

The compressive strength of FOAMGLAS® PERINSUL HL in with accordance with BBA certification 14/5111 is 2.9N/mm<sup>2</sup>. For further technical information on calculating loadings etc. please email [info@foamglas.co.uk](mailto:info@foamglas.co.uk)

**22. Is FOAMGLAS® PERINSUL HL core material affected by fire?**

The core material is cellular glass which has a fire classification of Class A1 to EN 13501-1:2007, the highest class for non-combustible products that do not contribute to a fire.

**23. Is FOAMGLAS® PERINSUL HL affected by or absorbs moisture?**

The closed cellular glass cell structure within the FOAMGLAS® PERINSUL HL provides a very high resistance to moisture. In accordance with BBA certification 14/5111, the product should be protected from contact with soil, ground and surface water.

**24. Is FOAMGLAS® PERINSUL HL affected by mastic and solvents?**

Unlike plastic insulation material which incorporate plastic or styrene, cellular glass FOAMGLAS® PERINSUL HL is not affected by the typical mastic and solvents found on construction sites.

**25. Can it be cut down on length?**

FOAMGLAS® PERINSUL HL is 450mm long, and can be cut down to shorten the length.

**26. Can it be cut down on thickness?**

FOAMGLAS® PERINSUL HL cannot be cut down to reduce the thickness.

**27. Can it be cut down on width?**

FOAMGLAS® PERINSUL HL cannot be cut down to reduce the width.

**28. Can I use FOAMGLAS® PERINSUL HL laid sideways?**

FOAMGLAS® PERINSUL HL can only be laid as intended and as described within the BBA certificate 14/5111. The bitumen/paper-liner on the faces of the FOAMGLAS® PERINSUL HL should always be at the top and bottom.

**29. Can I use FOAMGLAS® PERINSUL HL two courses high?**

FOAMGLAS® PERINSUL HL should only be laid as a single course, as described within the BBA certificate 14/5111. Using a well designed architectural detail the single course is sufficient to reduce thermal/cold bridging.

**30. Can FOAMGLAS® PERINSUL HL be used side by side?**

FOAMGLAS® PERINSUL HL can be used tightly butted, side by side without mortar in the vertical joints.

**31. What adhesive do I use?**

When laying FOAMGLAS® PERINSUL HL there is no requirement for sealants or adhesives. FOAMGLAS® PERINSUL HL is installed as a single course, bedded into the mortar, the perpends (end joints) remain dry and are closely butted up.

**32. What do I do with the perpends (end joints)?**

The perpends of FOAMGLAS® PERINSUL HL are joined without mortar and are tightly butted.

**33. Can the perpend joints of the FOAMGLAS® PERINSUL HL be left open?**

In a standard construction the perpend joints of FOAMGLAS® PERINSUL HL remain close butted and unsealed. In special situations there may be a need to seal the perpend joint, use FOAMGLAS® sealant Pittseal 444 which is supplied in cartridges. For further information please email [info@foamglas.co.uk](mailto:info@foamglas.co.uk)

**34. Can I fix through FOAMGLAS® PERINSUL HL?**

We do not advise that holes be drilled through FOAMGLAS® PERINSUL HL. The fixings can be positioned to pass through the perpends (end joints) of the FOAMGLAS® PERINSUL HL.

**35. Can I use FOAMGLAS® PERINSUL HL beneath window and door sills?**

FOAMGLAS® PERINSUL HL can be used beneath window and door sills. Please refer to BBA certification 14/5111 or please email your request to [info@foamglas.co.uk](mailto:info@foamglas.co.uk) for further information as we will be happy to assist.

**36. Where are the door or window fixings positioned?**

The fixings positions are determined by the door or window manufacture. The fixings can be positioned to pass through the perpends (end joints) of the FOAMGLAS® PERINSUL HL.

**37. Can it be used under timber structures?**

FOAMGLAS® PERINSUL HL can be used under timber walls. Please refer to BBA certification 14/5111 or email your request to [info@foamglas.co.uk](mailto:info@foamglas.co.uk) for further information as we will be happy to assist.

**38. Does the DPC go above or below the FOAMGLAS® PERINSUL HL?**

FOAMGLAS® PERINSUL HL does not replace the damp proofing and should be used in conjunction with a conventional DPC in accordance with CP102:1973 and the relevant clauses of BS800-4:1989.

FOAMGLAS® PERINSUL HL should be protected from mechanical damage and contact with soil, ground and surface water. The DPC can either go above or below the FOAMGLAS® PERINSUL HL

**39. Can I use FOAMGLAS® PERINSUL HL at the base of an internal wall?**

FOAMGLAS® PERINSUL HL can be used at the base of an internal wall.

FOAMGLAS® PERINSUL HL is used for both load-bearing and non load-bearing walls.

**40. Can FOAMGLAS® PERINSUL HL be used in close proximity to hot applied membranes and waterproofing?**

FOAMGLAS® PERINSUL HL can be used in close proximity to hot applied waterproofing systems. The core material is cellular glass and has a fire classification of Class A1 to EN 13501-1:2007.

**41. Is FOAMGLAS® PERINSUL HL a thermal break over its whole surface area?**

FOAMGLAS® PERINSUL HL is manufactured from cellular glass which can support an extremely high compressive load without any deflection or movement. Due to the density of the closed cellular glass cell structure, it provides a structural thermal insulation solution. There is no need for any additional stiffening or mortar re-enforcement. The FOAMGLAS® PERINSUL HL will have adequate durability and a life equal to that of the wall in which it is installed.

**42. What is the Global Warming Potential (GWP) for FOAMGLAS® PERINSUL HL?**

The Global Warming Potential for FOAMGLAS® PERINSUL HL is less than 1.3 (no carbon offset is used).

**43. What is the Ozone Depletion Potential (ODP) for FOAMGLAS® PERINSUL HL?**

The Ozone Depletion Potential for FOAMGLAS® PERINSUL HL is Zero.

**44. Is there a video where I can see FOAMGLAS® PERINSUL HL being installed?**

For videos of FOAMGLAS® PERINSUL HL being installed use the YouTube link below

[https://www.youtube.com/watch?v=VOSU2m0Pn\\_k](https://www.youtube.com/watch?v=VOSU2m0Pn_k)

**45. Are there any special Health and Safety requirements that I should be aware of?**

Apart from the standard PPE equipment and clothing, there are no additional Health and Safety requirements that are needed during the instalment of FOAMGLAS® PERINSUL HL. The material safety data sheet for FOAMGLAS® PERINSUL HL is available to download from [www.foamglas.co.uk](http://www.foamglas.co.uk).

*At time of writing, the product information and details contained herein are accurate, according to our technical and research program. We reserve the right to make any changes to the application method or product range as appropriate, in view of our high standards for product advancement and development. The most current product data can be found at [www.foamglas.co.uk](http://www.foamglas.co.uk).*

*If in any doubt please contact us at [info@foamglas.co.uk](mailto:info@foamglas.co.uk) as we will be happy to assist.*