

System Type Approval Certificate

Certificate No: **STAS/11/035/ST21/04**

Date: **29 October 2011**

A Certificate Holder:

Name: **Yorkshire Building Service (Whitwell) Ltd**
Address: **Unit 1 Craggs Industrial Park, Morven Street, Creswell, Derbyshire, S80 4AJ**
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B Type Approval Titles:

Breather-Foil FR for timber frame walls

SYSTEM

A timber frame external cavity wall element incorporating:-

- **an impermeable, reflective insulation membrane rain barrier Breather-Foil FR**

in combination with complementary insulation materials to meet site specific requirements to limit energy use to the standards required under Section 6 of the Building (Scotland) Regulations 2004. The system also incorporates site specific measures to combat the effects of interstitial condensation to the standards required under Section 3 of the Building (Scotland) Regulations 2004.

C Conditions of certification:

Validity and Scope

1. That the specifications and materials referred to have been assessed and approved in accordance with the Building (Scotland) Regulations 2004 and in accordance with the supporting guidance in the Domestic and Non-Domestic Technical Handbooks which came into force with effect from 1 October 2011.
2. That where reference is made on a plan or specification document to any Code of Practice, British or European Standard or manufacturer's instruction it shall be construed as a reference to such publication in the form in which it is in force at the date of this certificate.
3. That the layout plan details and the materials specified shall not be changed without first gaining approval so to do from the Scottish Association of Building Standards Managers [SABSM]. Failure to do so will invalidate the certificate.
4. That the certificate shall be valid until invalidated by formal notice by SABSM.
5. This certificate should not be regarded as a formal approval under the building warrant process prescribed by the Building (Scotland) Act 2003 enacted from 1 May 2005

Testing and Accreditation

6. That the Breather-Foil FR material shall be manufactured and installed strictly in accordance with the manufacturer's instructions, in accordance with the certificate holder's instructions and fully in accordance with the accredited certification and supporting test reports and analysis by BDA Keuringinstituut BV – Test Institute (see Section G on page 2) acknowledged by UKAS.
7. That this System Type Approval is issued in the knowledge that the materials specified shall contribute to compliance with Mandatory Standards 3.15, 6.1 and 6.2 of the Building (Scotland) Regulations 2004 when read with the accompanying BDA Agrément Certificates and associated test reports.

Site Specific Assessments

8. The construction of the external wall element and all complementary insulation materials are not within the scope of this certificate. Such materials and constructions must be designed in accordance with all relevant Codes of Practice, British or European Standards and installed strictly in accordance with the manufacturer's instructions.

D Limitations of use:

1. That an assessment shall be provided to support each site specific building warrant application proposing the use of the Breather-Foil product in the external wall element, each assessment to confirm full compliance with Mandatory Standards 3.10, 3.15, 6.1 and 6.2.

E Authority:

This system type approval certificate
consisting of 2 pages is authorised by:

Signature:
Date: 29 October 2011



Robert A Renton, Secretary to STAS
on behalf of the Scottish Association of Building Standards Managers.

F	Design Life: (per BS 7543 – Durability of buildings and building elements, products and components)	Category of building design life =	Life of building
		Design life of primary building envelope	Life of building

The system type has been assessed on the following drawings and specifications:

G	Specification:	V2 10/2011 Breather-Foil FR for timber frame walls. Reflective insulation and vapour - open cavity - rain barrier made of aluminium foil faced polyethylene bubble film laminate incorporating, when installed, open laps to allow moisture to escape from the inner leaf and reflective insulation layer to improve insulation to external cavity walls of timber frame construction, installed against inner leaf sheathing within cavity with the foil face on the clear cavity side to maintain a minimum cavity width of 50mm in masonry external leaf		
	Certification:	BDA Agrément Nr BAKQW 10-01 plus KQ Certificate 58386/01 comprising pages 1-7	NOTE: Both Accreditations are acknowledged by UKAS	
		Breather-Foil FR certified by the Irish Agrément Board under Certificate Number 08/0315 comprising 7 pages		
	Test Reports	Thermal Performance Breather-Foil FR has been tested to EN 12667 Determination of thermal resistance by means of guarded hot plate and heat flow meter methods to BR 443:2006 , measured by BDA Keuringsinstituut comprising 3 separate documents each of 2 pages and dated 15 January 2010 as follows:-		

Type of Construction	Breather-Foil FR Bubble	Breather-Foil FR Cavity	Total Thermal Resistance
R _{value} m ² K/W	0.121	0.649	0.770

Approved 29 October 2011