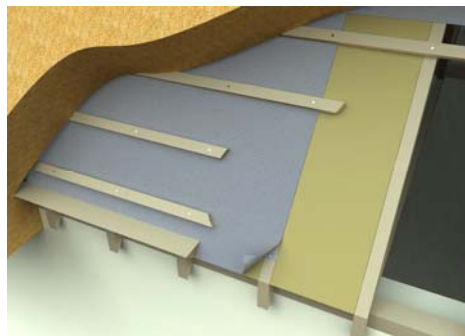


This certificate is valid for Building Regulations & associated technical guidance in force on the date of registration and for the regulations in the countries indicated

Thatch Firewall Membrane System

Description of Product

This is an assessment of the Thatch Firewall Membrane System for use in thatched roofs. The system is for use on existing thatched roofs which cannot take the rigid Thatch Fireboard system. The system comprises Thatch Firewall Membrane (flexible fibre glass woven fabric coated both sides with organic aluminised polymer system) installed over rafters prior to installation of a traditional thatch roof covering. Thatchbatts® (noncombustible, resin bonded, mineral Rockwool slabs) are installed between the rafters and can be supported on the Thatchbatt® Wired Fixing System. A suitable vapour control layer (VCL) must be installed according to manufacturer's instructions and, if required, a pre-determined internal finish layer.



Key Factors Assessed

- Mechanical Resistance & Stability
- Safety in case of Fire
- Health Hygiene and Environmental
- Safety in Use
- Energy Economy and heat retention

Validity

This certificate was first issued on 5th January 2017 and is valid until 5th January 2021
Issue Dated 24th May 2018

Scope of Registration

The Thatch Firewall Membrane System is designed to meet the criteria as recommended by Building Control for both spread of flame and penetration. On an existing roof where the old thatch is stripped to the rafters, a minimum of 300mm new thatch is laid on 50 x 25mm battens at 300mm centres with the first batten 125mm from the arris rail at the bottom of the roof over Thatch Firewall Membrane (flexible fibre glass woven fabric coated both sides with organic aluminised polymer system) which is secured to the rafters using staples or nails. There must be a minimum overlap of 75mm on all membrane joins and these can be sealed further with TAS Fire Silicone. Thatchbatts® (non-combustible semi-rigid insulation slabs) are installed between rafters and can be supported with the Thatchbatt® Wired Fixing System (1mm wire secured by 10mm staples to rafters, 14mm staples to old/soft timber). A suitable vapour control layer (VCL) and internal finish (plasterboard/skim) to be installed to the underside to the rafters.

Example U value calculations have been provided for an existing project showing conformity with target U value of 0.18 W/m²K in Approved Document L1B (England) and 0.15 W/m²K (Wales) recommended in Approved Document L1B England and Wales. The examples show compliance with AD L with no risk of interstitial condensation. Bespoke calculations will be provided to suit individual site circumstances, a condition of this detail.

The Thatch Firewall Membrane System has classification AC under test by BRE to BS476: Part 3:2004 - (NB: Test carried out under thatch)

Rockwool Ltd produce Thatchbatts® under strict licence for Thatching Advisory Services and are registered under ISO 9001: 2008 (Quality Management System) for the design, development and manufacture of man-made mineral fibre insulation products for thermal, acoustic and fire protection applications for the domestic, industrial and marine markets.

Conditions of Certificate

Installation to be in strict accordance with manufacturer's instructions, guides and recommendations and supported by relevant u-value calculations and condensation risk analysis.

The specific roof construction is to be verified to enable appropriate solution and bespoke U value calculations to be provided to suit individual site circumstances.

Thatch should ideally be fixed with thatching screws to prevent potential damage to fire barrier.

Smoke alarm installation should extend into the roof space as recommended in Approved Document B.

It is advised that the requirements B-F and recommendations A-G listed in the 'Dorset Model' are followed. The document can be found on the LABC website at https://www.labc.co.uk/sites/default/files/labcpd0914_techg_thatched_buildings_0.pdf.

The guidance in Approved Document J is to be followed.

LABC consider that, Thatch Firewall Membrane System will meet the functional requirements of the Building Regulations (listed below) if the criteria detailed in this certificate are met;



The Building Regulations 2010 (as amended) England & Wales

Regulation 7	Materials and workmanship
Note:	The system can contribute to meeting this requirement subject to limitations detailed in Conditions section.
AD B	Fire Safety
Note:	The system is acceptable.
AD C	Resistance to Moisture
Note:	The system can contribute to meeting this requirement subject to limitations detailed in Conditions section.
AD L1	Conservation of Fuel and Power
Note:	The system can contribute to meeting this requirement subject to limitations detailed in Conditions section.



The Building Regulations 2010 (as amended) England

AD L1	Conservation of Fuel and Power
Note:	The system can contribute to meeting this requirement subject to limitations detailed in Conditions section.



The Building Regulations 2010 (as amended) Wales

AD L1	Conservation of Fuel and Power
Note:	The system can contribute to meeting this requirement subject to limitations detailed in Conditions section.



The Building (Scotland) Regulations 2004 (as amended)

If you would like to discuss a specific use of the product in Scotland it will require an additional assessment under the Scottish Building Regulations and accordingly you should contact the LABSS STAS Administrator at www.labss.org

Non-Regulatory Information



LABC Warranty

The use of the Thatch Firewall Membrane System has not been assessed to meet the requirements of the LABC Warranty Technical Manual. If you would like to discuss a specific use please make an enquiry to technical.services@labcwarranty.co.uk

Supporting Documentation

BRE - CEN-TS 1187:2012 Test 4

BRE - BS EN13501-5:2005+A1:2009

BRE - BS476: Part 3: 2004 - (Thatch Firewall Membrane System)

Exova Warrington – BS 476: Part 6: 1989+A1:2009

Exova Warrington – BS 476: Part 7: 1997

Exova Warrington – Class 0 Summary Report

BTTG - EN12572 (C) - Water Vapour Permeability

BTTG - 60/00282 Thatch Firewall Membrane – conversion for TAS

ISO Certificate GB05/66034 issued 2014-17

TAS - Thatch Firewall Membrane MSDS - Version 3

TAS - COSHH Assessment - TAS Firewall Membrane System - Issue 1

TAS - Thatch Firewall Membrane Specification Sheet - Version 2

TAS - Thatch Firewall Membrane System Complete - Version 4

BSI - Thatchbatt® - Certificate of Conformity

BSI - ISO9001 Certificate

Thatchbatt® - Trade Mark Certificate

Thatchbatt® - Specification Sheet

NCWW1402 – Rookery TAS Roof – U value & condensation risk analysis

NCWW1449 – Ann B Cottage TAS Roof – U value & condensation risk analysis

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