

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

Up-Way Systems - Effisus Vapour FR membrane

Description of Product

This is an assessment of the Effisus Vapour FR Membrane, a multifunctional vapour barrier made of a special fiberglass fleece which achieves fire reaction of Class A1 itself; and Class A2-s1,d0 when tested as part of a system with Effisus accessories.

The membrane works as a vapour control layer (VCL) reducing condensation risk and improving airtightness and therefore improving energy efficiency. Can be used on façade rainscreen cladding and many other applications to prevent moisture and water transfer.

Please consult the 'Conditions of Certificate' and 'Non-Regulatory Information' sections to see if the product is acceptable for use on sites covered by LABC Warranty.



Key Factors Assessed

- Mechanical Resistance & Stability
- Safety in case of Fire
- Health, Hygiene and Environmental

Validity

This certificate was first issued on 13th April 2022 and is valid until 13th April 2023

Issue Dated 13th April 2022

Scope of Registration

The Effisus Vapour FR Membrane is a high quality and multifunctional weatherproofing vapour barrier made of a special fiberglass technology with an aluminum foil, developed to achieve a fire reaction Class A2-s1,d0 according to EN 13501-1:2007+A1:2009. The final fire classification was obtained for Effisus Vapour FR with Effisus accessories (tapes and adhesives) tested as a system.

The Effisus Vapour FR membrane itself (without Effisus accessories) achieves reaction to fire classification A1 based on EN 13501-1:2018.

The membrane works as a vapour control layer (VCL) protecting the building from condensation risk and improving the airtightness and consequently the energy efficiency. Effisus Vapour FR Membrane can be used in facade rainscreen cladding, curtain walls and many other applications to protect the insulation and building interior from water, heat radiation and moisture transfer.

Installation

Surface must be cleaned with Effisus Setup EC Cleaner or Effisus Setup PR. Remove any dust, debris, oil and grease and other contaminants. Acetone or lacquer thinner could be used. With temperatures above 5°C treat surface with Effisus Coat EP or SP Primer.

Effisus Vapour FR Membrane should be sealed continually on all perimeter to the substrate using Effisus 2Bond DS Tape. Shortly after the membrane has been applied with the Effisus 2Bond DS tape it should be mechanically fixed. If there is any risk of sliding or stress introduced on the membrane, mechanically fixing should be used at membrane edges. Effisus 2Bond DS Tape also can be used to seal any nail/screws penetrations, using a 50 x 50mm patch of Effisus 2Bond DS.

Effisus Vapour FR Membrane should be secured to the insulation or metal structure using Effisus 2Adjoin DF Tape, with a maximum spacing between securing lines of approx.0.5m. The membrane should be mechanically fixed shortly on membrane edges. Upper layers should always overlap lower layers to facilitate the shedding of water.

Joints should be staggered with horizontal overlap of 100mm minimum and 150mm minimum vertically. Joints should be sealed with 25mm wide strips of Effisus 2Adjoin DF Tape.

Effisus Bonding KF+P adhesive is a paste/gluing mastic gun applied to the support, the number of strings to lay depends on the width of Effisus Vapour FR Membrane. Minimum 1 line of 8-10mm diameter which when pressure applied forms a gluing band approximately 4cm wide. The Effisus Vapour FR Membrane is applied to surface and pressure applied with a steel roll.

Testing/Classification

Effisus Vapour FR has been tested to:

EN 13984: 2013, "Flexible sheets for waterproofing. Plastic and rubber vapour control layers. Definitions and characteristics".

EN ISO 12572: 2016 "Hygrothermal performance of building materials and products – Determination of water vapour transmission properties".

In accordance with EN 13501-1:2007+A1:2009, achieves the reaction to fire classification A2-s1, d0 when tested as part of a system with Effisus accessories.

LABC consider that, Effisus Vapour FR Membrane 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) at the date of current issue

In England and Wales: Regulation 7 Materials and Workmanship

In England: AD 7 (2018) Materials and Workmanship

In Wales: AD 7 (2020) Materials and Workmanship

Note: The product is acceptable.

In England: AD B (2020) Fire Safety

In Wales: AD B (2020) Fire Safety

Note: The product is acceptable.

In England: AD C (2013) Site preparation and resistance to contaminants and moisture

In Wales: AD C (2017) Site preparation and resistance to contaminants and moisture

Note: The product is acceptable.



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 product has not been assessed by LABC Warranty.

Supporting Documentation

10-24029 Up-Way Systems WPM 12572 301020

CE Marking EN13984_2013 - Test Report

Classification Report EN13501-1- Effisus Vapour FR

ISO 9001 & ISO 14001 - Thirty Party

TechnicalDataSheet-EffisusVapourFRMembrane-ENG

TechnicalDataSheet-Effisus2AdjoinDFTape-ENG

TechnicalDataSheet-Effisus2BondDS-ENG

TechnicalDataSheet-EffisusBondingKF+PAdhesive-ENG

InstallationConsumption-EffisusVapourFRMembrane-ENG

LGAI Technological Center, S.A. (APPLUS) - Classification of reaction to fire performance in accordance with UNE-EN 13501-1:2019 – Classification Report No: 20/23809-2459-2 Date of issue: 14th January 2021

LGAI Technological Center, S.A. (APPLUS) - Classification of reaction to fire performance in accordance with EN 13501-1:2018 – Classification Report No: 20/23809-2432 Part 2 Date of issue: 20th November 2020

LGAI Technological Center, S.A. (APPLUS) – Test Report for test in accordance with UNE EN ISO 1716:2011 – Report No: 20/23809-2432 Part 1 Date of issue: 20th November 2020

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