

ARC WIRED TILE BATTEN BARRIER

Fire stopping between roof covering and underside of tiles

- » Up to **2 hours fire integrity**
- » Provides **fire stopping** between roof tiles and roof membrane
- » Complies with **NHBC 2017 7.2.16**
- » **Quickly and easily installed** as the tile battens are fitted
- » Manufactured from **non-combustible wire reinforced rockfibre mineral wool insulation**
- » Use as part of the **ARC Party Wall System** to create a complete party wall fire stopping solution
- » **Third party certificated** by IFC



Third Party
Certificated



Exceeds Performance
Requirements



Fire
Product



Excellent Thermal
Properties



NBS Source
PARTNER



Application

The ARC Wired Tile Batten Barrier is designed to provide a fire, thermal and acoustic break at the party wall between the roof tiles and roof membrane. It can be used in conjunction with the ARC Party Wall System to create a complete fire break at the separating wall between two dwellings.

Installation

The person installing the Wired Tile Batten Barrier should first familiar themselves with this datasheet, ensuring the correct product is being fitted into the cavity.

The ARC Wired Tile Batten Barrier is supplied in 1250mm lengths and are supplied baled to minimise waste packaging and offer easy handling on site

Installation is carried out as the tile battens are fixed, after the roof covering has been fitted.

- » Position the ARC Wired Tile Batten Barrier at the party wall line above the roof covering and before the tile battens are fitted
- » Use a knife to cut through the insulation of the ARC Wired Tile Batten Barrier in line with the leading (top) edge of the tile batten. You should not cut through the wire mesh, and care must be taken to not damage the roof covering underneath
- » Work the tile batten into the cut in the insulation. The lower edge of the tile batten should be covered by insulation as shown. This ensures that the gap between the batten and underside of the roof tile, once fitted, are filled
- » Before moving on, check the insulation has recovered to a height that will fill to the back of the roof tile when fitted. Where necessary, work the material so that no gaps will remain once the tiles have been fitted
- » Care should be taken when handling the product to ensure that the mineral wool isn't damaged.



Key Stats

Length supplied	1.25m
Third-party certification	IFC certificate number: IFCC 1962
Insulation	Non-combustible rockfibre mineral wool
Thermal conductivity	0.040W/mK
Fire Resistance (Insulation)	Up to 120 minutes
Fire Resistance (Integrity)	Up to 120 minutes
Mass	Data available on request
Test standard	EN 1366-4:2006 + A1 2010 and EN1366-4:2021

Fire Properties

ARC Wired Tile Batten Barrer has been fire tested in accordance with the principles given in EN1366-4, achieving 120 minutes fire integrity and 120 minutes insulation within a masonry construction. Real world performance may be affected by the fire performance of supporting and abutting elements, for example the roof structure and membrane.

ARC Wired Tile Batten Barrier is third-party certificated by IFC Certification. IFC's product certification is designed to give confidence to architects, specifiers, contractors, users, occupiers and owners that products have been thoroughly and independently evaluated, and will continue to be manufactured to the same specification as originally tested. Certificates can be verified and downloaded from IFCC's website.

IFC certificate number: IFCC 1962

Test reports and material datasheets are all available upon request.

Thermal Properties

ARC's wired rockfibre mineral wool insulation has a thermal conductivity of 0.040W/mK.

Product & Packaging Specifications

Product Code	Dimensions	Lengths per pack	Packs per pallet
WTBR1250/200/50	50 x 200 x 1250mm	5	30

All performance claims can be evidenced on IFC certificates IFCC 1962.

Call our technical experts on 0113 252 9428 to discuss your requirements.

Standards

ARC Wired Tile Batten Barrier is manufactured using rockfibre mineral wool which achieves a fire classification of Euroclass A1 as defined in BS EN 13501-1.

ARC's rockfibre mineral wool insulation has a thermal conductivity of 0.040W/mK.

As required by building regulations, the mineral wool is encapsulated in polythene. This element is not noncombustible.

Non-Standard Applications

Where usage falls outside of the certificated scope, for example when used with external cladding, or with an internal metal frame system, performance of the fire barrier will depend heavily upon the structural integrity and fire performance of the surrounding construction.

Specifiers must ensure all construction elements that make up part of the internal or external leaf of the wall, including support systems, are suitable for use with a cavity fire barrier for the length of fire integrity and insulation required. Particular attention must be paid to any possible deflection or distortion which could cause gaps to form between the construction and any fire barrier installed.

In the event of a fire, ARC Building Solutions Ltd cannot accept liability for failure where usage is outside of the standard application, including but not limited to, where deflection or distortion has allowed gaps to form around the barrier, or where the barrier is not fitted in accordance with the manufacturer's guidelines.

Storage & Packaging

ARC Wired Tile Batten Barrier is supplied in polythene packs which are designed for transporting and protecting the products. It is not recommended that the packs are stored in direct sunlight. When storing the barriers for longer periods of time it is recommended that the product should be stored indoors, or under cover especially during inclement weather or overnight.

Health & Safety

At ARC Building Solutions, safety is a top priority, both in how we work and the products we supply.

We've carefully assessed the materials we use, and we're pleased to say our rockfibre mineral wool isn't classed as a possible carcinogen. This means that, in line with UK regulations, our products don't require a safety data sheet.

Our products have no hazardous classifications under UK REACH and GB CLP regulations when it comes to physical, health, or environmental risks.

As always, we recommend following the product instructions when handling and installing ARC products. If you'd like more information on our approach to health and safety as a whole, just ask us for a Safety Data Sheet (SDS).

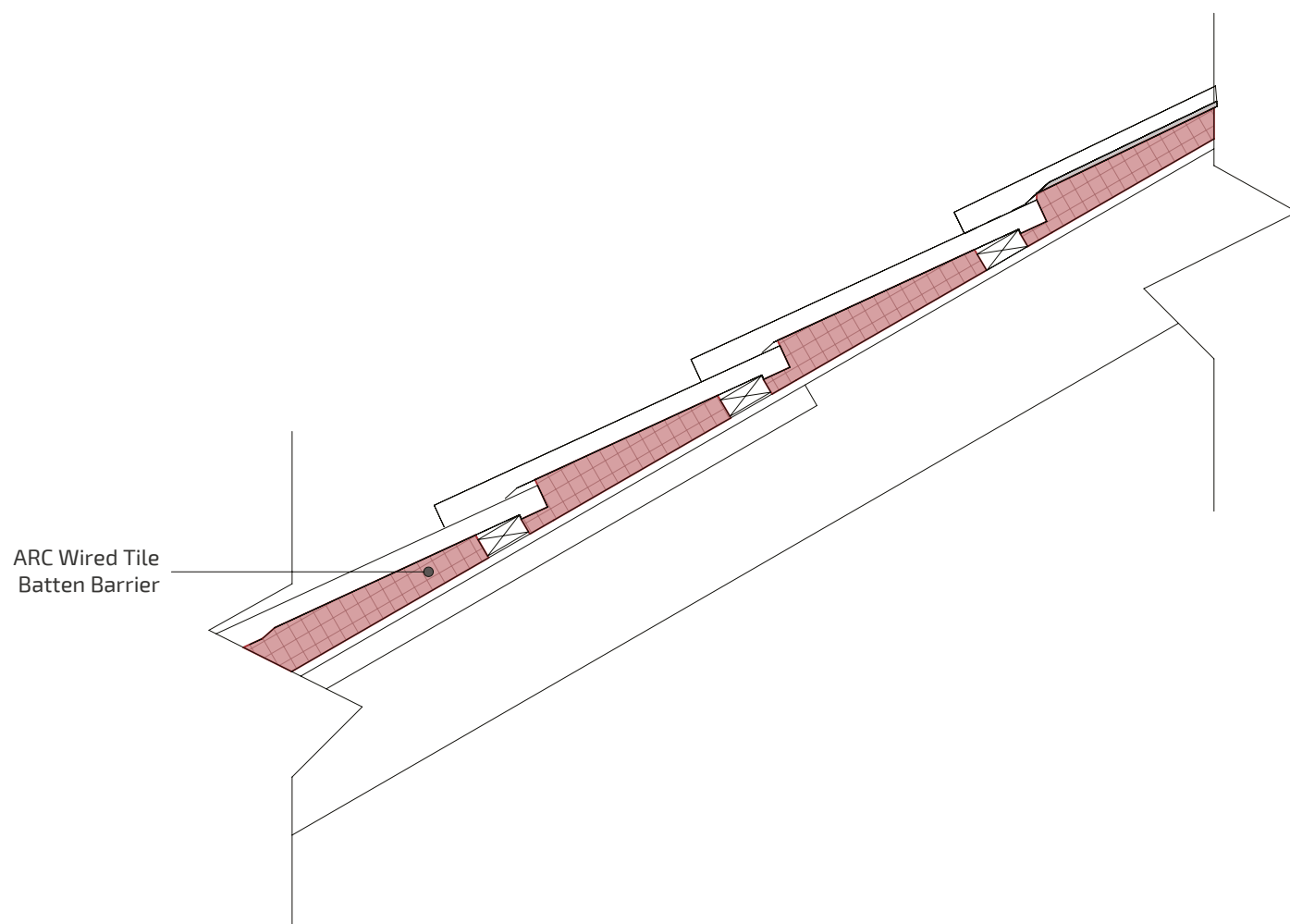
Environment

No CFCs or HCFCs are involved in the manufacturing process of ARC's rockfibre mineral wool insulation. Additionally, the mineral wool has a Green Guide rating of A+.

This product can be disposed of via landfill; preferably, the product should be returned to ARC Building Solutions so that the waste can be separated and recycled accordingly.

Typical Detail Example

Please find a detail drawing for typical details where the Wired Tile Batten Barrier has been installed.



Any information provided within this document is intended for guidance only. Expert technical advice should be sought before specification or installation of any product. It is of particular importance to ensure that any fire barrier or fire stopping product is tested for use with the exact application intended. ARC Building Solutions Ltd cannot accept liability for failure where usage is outside of the standard application, including but not limited to, where deflection or distortion has allowed gaps to form around the barrier, or where the barrier is not fitted in accordance with the manufacturer's guidelines. Due to the protective polythene, the product as a whole cannot be classified as A1 non-combustible.

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