

TECHNICAL DATA SHEET

# VM FIRE BARRIER PLUS A2

## Fire-safe construction

For installation with **VMZINC**

**VMZINC**

# VM FIRE BARRIER PLUS A2



- 1** VMZINC® Interlocking panel facade
- 2** Metal framing creating a vented 38mm airspace
- 3** **VM FIRE BARRIER PLUS A2**
- 4** Insulation
- 5** Supporting structure (blockwork as shown or metal framing or other appropriate supporting structure)

## Important guidelines

- The façade cladding must be installed no later than 3 months after the VM FIRE BARRIER PLUS A2 membrane has been installed.
- For safe and durable installation, it is essential to strictly follow the installation details and methods described in this document. Correct installation of the membrane ensures both the fire resistance and the durability of the façade assembly.

# VM FIRE BARRIER PLUS A2



\*The membrane is always installed **with the white side facing outwards** (visible side).

- Classified A2-s1, d0.
- Watertightness: Class W1.
- Suitable for low and medium-rise buildings.
- Quick and easy to install.
- Reliable fire protection.

## Classification of buildings according to height

The height of a building determines the level of fire safety measures to be taken, with stricter requirements as the height increases.

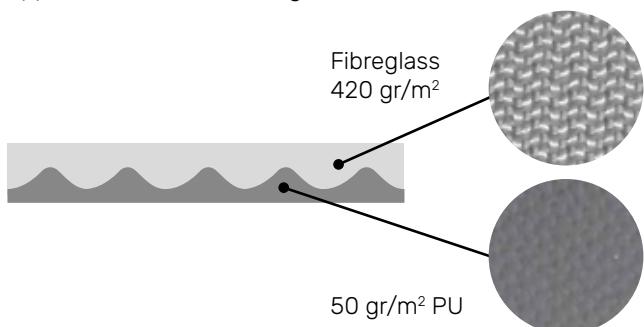
Please consult VM Building Solutions team.

### Description

Thickness	0,5 mm ± 15 %
Format (width x length)	1,5 m x 25 m ± 2 %
Weight	17,6 kg/roll - 470 g/m <sup>2</sup> ± 10 %
Surface	37,5 m <sup>2</sup> /roll (approx. 33,75 m <sup>2</sup> effective width)
Packaging	20 rolls per pallet

### Characteristics

The VM FIRE BARRIER PLUS A2 membrane consists of a top layer of fire-retardant and water-repellent PU coating applied to an internal fibreglass reinforcement.



# VM FIRE BARRIER PLUS A2

## Technical characteristics

Value (Sd)	0,115 m ± 0,7 m
Water tightness	Before and after ageing: Class W1
Reaction to fire	A2-s1,d0
Resistance to nail tearing	Before ageing: (565 ± 46) N After ageing: (735 ± 58) N
Low-temperature flexibility	-5 °C

## Application conditions

- The VM FIRE BARRIER PLUS A2 membrane must be applied at a minimum temperature of +5 °C and a maximum temperature of +40 °C.

## The VM FIRE BARRIER PLUS A2 membrane can be fixed to the substrate in the following way:

- **On Mineral board insulation:** Fixing using metal screws. In the central part of the strip (75 cm from the edge), fixing points must be in place every 50 cm.

## Accessories

	220031036	VM FIRE BARRIER PLUS A2
	220031147	VM FIRE BARRIER PLUS A2 TAPE
	6559	Galvanised Parker washers 70 mm

## VM FIRE BARRIER PLUS A2 TAPE:

VM FIRE BARRIER PLUS A2 TAPE is a fire-retardant aluminium tape reinforced with fibreglass, which, thanks to its strong adhesion, ensures lasting airtightness of the overlaps.

## Classifications and compliance

- The VM FIRE BARRIER PLUS A2 membrane has undergone two separate SBI tests:
  - SBI test no. 23290C: VM FIRE BARRIER PLUS A2 applied directly to PUR/PIR insulation.
  - SBI test no. 23515E: VM FIRE BARRIER PLUS A2 used in combination with ZINC PLUS cladding and a non-vented assembly comprising PIR/PUR insulation, plywood or OSB.The result of the two SBI tests are fire reaction class Bs2,d0.
- Applicable in medium-height buildings.
- Developed in accordance with the AR Basic Fire Standard (Belgium, May 2022) and BBL 2024 (Netherlands).
- All assemblies must have a conclusive SBI test.



## **Item**

This document is intended for specifiers (architects and project managers responsible for the design of the works) and contractors (contractors responsible for execution on site) of the reference product or system.

It contains the main data, texts and diagrams relating to the specification and implementation of the product or system mentioned: presentation, field of application, description of components, implementation (including supports) and finishes. Any use or specification outside the scope of application indicated and/or the specifications in this installation guide requires specific consultation with the technical services of VM Building Solutions Benelux, without the latter being held responsible for the feasibility of the design or execution of the projects concerned.

## **Territory concerned**

This document applies only to the implementation of the product or system mentioned on construction sites located in Belgium, the Grand Duchy of Luxembourg and the Netherlands.

## **Qualifications and reference documents**

We would like to remind you that the specification of complete construction systems for a specific structure is the sole responsibility of the building contractors, who must ensure that the use of the specified products is appropriate for the construction objective of the structure and that it is compatible with the other products and techniques used.

It should be noted that, in order to make proper use of this guide, knowledge of VMZINC® zinc material and the roofing and zinc work trade is required.

When starting work, it is essential to comply with all the standards in force in the country where the work will be carried out.

In this regard, VM Building Solutions organises training courses reserved for professionals.

## **Responsibility**

Unless otherwise agreed in writing by VM Building Solutions, the latter cannot be held liable for any damage resulting from a prescription or implementation that does not comply with all of VM's specifications.

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