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# Fire rated pole moss



# New pole moss with fire rated certification

## Certification B-s1-d0

Our innovative product for use in green walls now has an international fire rated certification, classified as **B-s1-d0** according to the **UNE-EN 13501-1:2019** standard.

Our efforts to develop more practical and reliable products have allowed us to overcome this technological challenge. Thanks to these advancements, we are now offering the only preserved moss on the market that retains its natural appearance and provides increased safety indoors by preventing the spread of fire.

Learn more about this important milestone and what it means for architects, decorators, and interior designers in this document.



Available in a natural  
green color

# Fire rated pole moss collection

Available in a natural green color



Pole moss • MOB / 2100N-FR

Pole moss • MOB / 2100N-FR



Pole moss • MOB / 2100N-FR

1 Box / Carton • ~ 0,75 m<sup>2</sup>



# Fire rated pole moss with certification **B-s1-d0** according to **UNE-EN 13501-1:2019**

What is the **UNE-EN 13501-1:2019**?

The **UNE-EN 13501-1:2019** is a European standard that evaluates construction products to ensure they meet stringent fire safety criteria. It outlines the testing methods used to assess materials' performance in the event of a fire, focusing on fire resistance, smoke emissions, and the production of flammable droplets.

According to the **UNE-EN 13501-1:2019** standard, our pole moss is certified with:

**B-s1-d0**

## What does it mean **B-s1-d0**?

**B** - Fire resistant (B)

Indicates a very limited contribution to the fire.

**s1** - Smoke emission (s1)

This means it emits a minimal amount of smoke, the best possible category.

**d0** - Generation of flammable droplets (d0)

Ensure there are no flammable liquids, minimizing the risk of fire spreading to the fullest extent.

# How did we obtain our B-s1-d0 certification?

Our natural moss has been evaluated by **APPLUS**, an **ENAC** and **ILAC MRA** accredited laboratory, which has provided the following results:

## Our results

Test Method	Class B Criteria	Subclass S1 Criteria	Subclass D0 Criteria
EN ISO 11925-2: 2020	<ul style="list-style-type: none"> <li>FS ≤ 150 mm Flame spread (Limited)</li> </ul>		
EN 13823:2020+A1:2022	<ul style="list-style-type: none"> <li>FIGRA 0,2 MJ ≤ 120 W/s Fire growth raate (Low)</li> <li>LFS &lt; borde de la muestra Lateral spread of flames (They do not reach the edge of the sample)</li> <li>THR 600s ≤ 7,5 MJ Total release of heat (Limited)</li> </ul>	<ul style="list-style-type: none"> <li>SMOGRA ≤ 30 m<sup>2</sup> / s<sup>2</sup> Smoke production (Limited)</li> <li>TSP 600s ≤ 50 m<sup>2</sup> Total release of smoke (Limited)</li> </ul>	<ul style="list-style-type: none"> <li>Caída de gotas / Partículas en llamas dentro de 600s Without falling drops or flaming particles</li> </ul>

The evaluated sample had the following characteristics

### Type

Dried, preserved, and dyed natural pole moss.

### Thickness

30-50 mm

### Superficial Density

3 kg/m<sup>2</sup>

### Density

60-100 kg/m<sup>3</sup>

### Color

Green

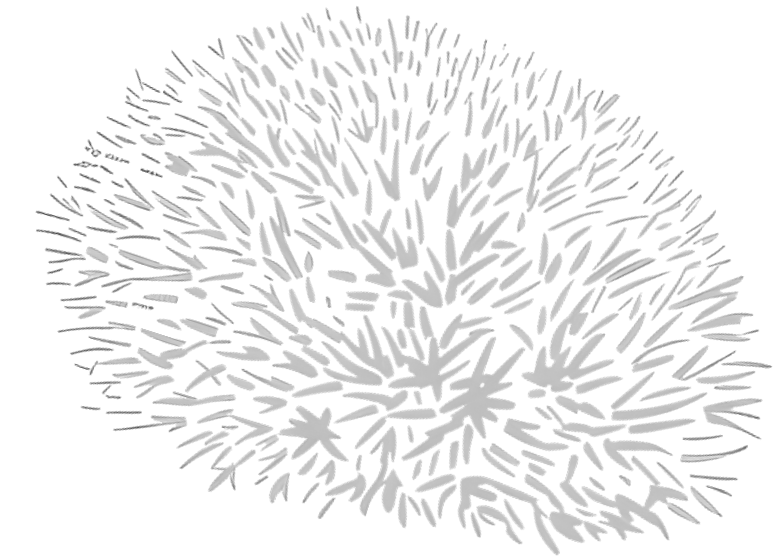
### Aspect

Rough

### Adhesive Used

BigMat Adhesivo GEL PLUS S1  
(Density: 1,10 g/cm<sup>3</sup>)  
(Performance: 3kg/m<sup>2</sup>)

# Why is our fire rated pole moss so interesting to interior designers, decorators, or architects?



## 1 Security

Proven ability in fire prevention and expansion.

## 2 Beauty and Functionality

Allows decorating multiple spaces in various shapes and styles.

## 3 Long Duration

Months and even years of impeccable and radiant decor.

## 4 Natural

Carefully preserved natural pole mosses to maintain their essence. Non-toxic.

## 5 Environmentally Friendly

High-quality preservation that emphasizes ecological impact.

## 6 Quality

Provides resistance, stability, hygiene, and healthiness.



# Who issues the certification?

Fire rated classification  
according to the standard  
**UNE - EN 13501 - 1:2019**

## Product name

MOB / 2100N-FR

## File number

24/32304160-2

## Distribution date

July 10, 2024

## Petitioner



by innovaflora

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This report defines the classification obtained for the product  
**MOB / 2100N-FR** according to the European standard **UNE-EN 13501-1:2019**.



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