PEUTZ

Laboratory for Fire Safety

Summary of the reaction to fire performance:

FelixWood Symphony Thermo Bamboo

Commissioned by Felix Clercx BV, a study was conducted at the Peutz Laboratory for Fire Safety to investigate the reaction to fire performance of FelixWood Symphony Thermo Bamboo cladding. This study was carried out in accordance with the European test standards EN-ISO 11925-2:2020 and EN 13823:2020+A1:2022, resulting in a classification in accordance with EN 13501-1.

At the request of the client, this research summary has been prepared, highlighting the product performance and key conclusions of the study. For a complete and thorough description of the tested product, please refer to the detailed reports mentioned in the footnote.

FelixWood Symphony Thermo Bamboo

FelixWood Symphony Thermo Bamboo is the name of closed cladding made of Bamboo profiles. These profiles are made from bamboo strips that are compressed and heat treated.
The product is designed for use as wall, ceiling, and cladding for both indoor and outdoor applications.
The cladding is mounted with RVS Symphony mounting clips on a double framework of spruce wood (treated with Flame delay PT), which is applied to a non-combustible substrate. There are three types of compatible interlocking profiles:

Symphony 40, Symphony 60, and Symphony 130. The cladding can be installed horizontally or vertically.

	Reference	Page	Initials
This summary consists out of 2 pages. The classification reports that form the basis for this summary are available for inspection at the client and are registered as YA 2774-7E-RA-001 dated November 19, 2024.	NvD/NvD//YA 2774-8E-RA-001 22 November 2024	1/2	

Classification of the Reaction to Fire performance

Based on the results of the tests conducted according to EN 13823 and EN-ISO 11925-2, a classification has been established according to EN 13501-1. The tested product is classified as follows:
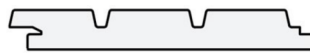
Reaction to Fire classification according to EN 13501-1: C-s1, d0

The classification is valid for the following product parameters:
− Felixwood Symphony bamboo profiles with a thickness of 18 mm, in the following configurations:
  − Symphony 40 horizontal
  − Symphony 60 horizontal
  − Symphony 130 horizontal
  − Symphony 60 vertical
  − Symphony 130 vertical

Symphony 40

Symphony 60

Symphony 130

The classification is valid for the following practical applications ('end use'):
− Mechanically fixed using RVS Symphony mounting clips on a supporting framework of spruce battens (2×17 mm $\times$ 45 mm, c.t.c. distance 50 cm) with Flame Delay PT.
− Ventilated cavity depth: 34 mm
− Substrate: a substrate with Fire class A2-s1,d0 or better, excluding paper faced gypsum plasterboards, with a nominal thickness of at least 9 mm and a nominal density of at least 653 kg/m³
− Use as closed wall and wall cladding for interior and exterior applications

Deviations in product parameters or application compared to the above may lead to a different classification of the reaction to fire performance.

Limitations

This research summary has been prepared at the request of the client. Although the test information and results in this research summary were obtained from tests fully conducted in accordance with the standards EN 13823, EN-ISO 11925, and the classification fully established according to EN 13501-1, the presentation of the results in this way does not meet the requirements of these standards and EN ISO/IEC 17025:2005/AC:2006. Therefore, the use of this document for product evaluation, approval, or certification purposes is limited.