
CLASSIFICATION OF REACTION TO FIRE ACCORDANCE WITH EN 13501-1:2018

1. Introduction

This classification report defines the classification assigned to Chipboard construction „PremiumBoard MFP P5”, Thickness range 10-25 mm, in accordance with the procedures in EN 13501-1:2018.

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Notified Body No: -

Product name: Chipboard construction „PremiumBoard MFP P5”.
Thickness range 10-25 mm.

Classification report No: SL/Z-473/EN13501/496a/2021-v2

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2. Details of classified product

2.1. General

The product, Chipboard construction „PremiumBoard MFP P5”. Thickness range 10-25 mm.

2.2. Product description

The product, Chipboard construction „PremiumBoard MFP P5”, Thickness range 10-25 mm, is described below or is described in the reports provided in support of classification listed in 3.1

Construction particleboard "PremiumBoard MFP P5" - board with wood chips bonded with urea-formaldehyde resin with melamine from 18 to 20%, flat-pressed, single-layer, transferring loads for internal use in humid conditions from 10 mm to 25 mm thickness.
 Wood chips. Urea-formaldehyde glue resin with the addition of 18 to 20% melamine.
 Hardener – RSM (Urea-Ammonium Nitrate solution).
 Paraffin emulsion - oil in water type up to 60% of paraffin.

3. Reports and results in support of this classification

3.1. Specific conditions

-

3.2. Reports

| Name of Laboratory | Name of sponsor | Report ref. No. | Test method and date Field of application rules and date |
|------------------------|---------------------------------------|----------------------------|--|
| Sychta Laboratorium | Pfleiderer Wieruszów Sp. z o.o. | SL/Z-473/PN13823/495a/2021 | PN-EN ISO 13823 PN-EN ISO 11925-2 13-14.07.2021 |

3.3. Results

| Test method and test number | Parameter | No. Tests ^a | Results | |
|---|---|------------------------|---------------------------------|----------------------------|
| | | | Continuous parameter - mean (m) | Compliance with parameters |
| PN-EN 13823 | FIGRA, W·s ⁻¹ | 3 | 348 | (-) |
| | THR _{600s} , MJ | | 19,4 | (-) |
| | LFS < edge | | (-) | Compliant |
| | SMOGRA, m ² ·s ⁻² | | 1 | (-) |
| | TSP _{600s} , m ² | | 23 | (-) |
| | Flaming particles or droplets, time s | | (-) | Compliant |
| PN-EN ISO 11925-2 Exposure time 30 s | Flame spread > 150 mm in 60 s, mm | 6 | (-) | Compliant |
| | Ignition of paper | | (-) | Compliant |

^a Not for extended application, (-): not applicable

4. Classification and field of application

4.1. Reference of classification

This classification has been carried out in accordance with EN 13501-1:2018.

4.2. Classification

The product, Chipboard construction „PremiumBoard MFP P5”, Thickness range 10-25 mm in relations to its reaction to fire behaviour is classified:

D

The additional classification in relations to smoke production is:

s1

The additional classification in relations to flaming droplets / particles is:

d0

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation products is:

The format of the reaction to fire classification for floorings products is:

| Fire behaviour | | Smoke production | | | Flaming droplets | |
|----------------|---|------------------|----------|---|------------------|----------|
| D | - | s | 1 | , | d | 0 |

Reaction to fire classification: D-s1,d0

4.3. Field of application

This classification is valid for the following product parameters:

- chipboard construction;
- density depends on the thickness: $740\text{kg/m}^3 \pm 10\%$
- thickness range between 10 and 25 mm.

The classification is valid for the following end use applications:

This classification applies to a free-standing material with a ventilated or non-ventilated air gap.

Placing and / or fixing to mineral substrates of class A1 or A2-s1, d0 will not degrade the fire properties of the product.

5. Limitations

This classification document does not represent type approval or certification of the product.

**Signature of person
undertaking classification:**

dr inż. Krzysztof Sychta

**Signature of person
authorising report:**

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