

Bellaterra: 29<sup>th</sup> May of 2025

D/F  
Page 1

File number: **25/32303816 M1**

Petitioner reference: **SGS-CSTC Standards Technical Services Co.Ltd.**  
1F West No.4 Building, Lingyun Industry Park, No 1177  
1177 – Ningbo  
(Zhejiang)

## TEST REPORT

**Description of the modification:** Manufacturer's information is included. The changes are shown in italic.

This report replaces test report 25-32303816 issued on 16<sup>th</sup> May 2025. It is the responsibility of the customer to replace the original and all copies.

Reception samples date: 22-04-2025

Tests performed on dates: Start: 05-05-2025  
End: 06-05-2025

### RECEIVED MATERIAL

Two samples of thermal insulation were received from the petitioner with the following references and measures provided by the petitioner:

Product reference: **XPS INSULATION BOARD 20 mm**

Material: XPS

Superficial density: 32 kg/m<sup>2</sup>

Colour / Appearance: Blue / Smooth

*Manufacturer: ANHUI JIT NEW MATERIAL CO., LTD. Address: NO. 7, Songquan East Road, Xuancheng Hi-Tech Industrial Development Zone, Anhui Province, China.*

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## REQUESTED TESTS

Determination of the thickness according to standards EN 823:2013 and EN ISO 29466:2022 and EN 13164:2013+A1:2015.

## TEST METHOD

EN 823:2013 and EN ISO 29466:2022 "Thermal insulation products for building applications. Thickness determination".

## SAMPLES CONDITIONING

Samples were conditioned in a conditioning chamber at  $(23 \pm 3)$  °C and  $(50 \pm 10)$  % of relative humidity up to constant weight.

## RESULTS

Apparatus: Rigid frame and square pressure plate

The thickness was determined using a square pressure plate measuring in two different positions and a total pressure plate of  $(250 \pm 5)$  Pa according to section 7.2 of the test standard EN 823:2013 and EN ISO 29466:2022.

Environmental test conditions:  $(23 \pm 2)$ °C y  $(50 \pm 5)$ % HR.

| Sample | Length (mm) | Width (mm) | Position 1 d1 (mm) | Position 2 d2 (mm) |
|--------|-------------|------------|--------------------|--------------------|
| 33019  | 500         | 500        | 20,39              | 20,38              |
| 33020  | 500         | 500        | 20,16              | 20,24              |

## CONCLUSIONS

**Thickness based on EN 823:2013 and EN ISO 29466:2022:**

**20 mm**

Laboratory Manager

LGAI Technological Center S.A. (APPLUS)

Responsible for Thermal Tests

LGAI Technological Center S.A. (APPLUS)

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The results refer exclusively to the samples tested at the time and under the conditions indicated.

The uncertainties expressed in this document pertain to the expanded uncertainty, which has been obtained by multiplying the typical measurement uncertainty by the coverage factor  $k=2$  which, for a regular distribution, corresponds to a coverage probability of approximately 95%.

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