



**AGOSTI NANOTHERM srl**



**ANALYSIS DOCUMENTATION SUMMARIZING TECHNICAL  
CERTIFICATIONS REGARDING COMPRESSIBILITY, COMPRESSION,  
DYNAMIC STRENGTH OF THE INCOMBUSTIBLE, 9mm-THICK  
NOBILIUM® THERMALPANEL**

**1-Compressibility Analysis:**

Reference standard UNI EN 12431:2013

**Result\*1:**

Compressibility c 0.36mm Class CP1

**Comment:**

The excellent performance allows for easy, convenient use of the material, even on flooring, while maintaining its main technical properties unchanged, even after being subject to high pressures/weights.

Part 1 of 3



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## **2-Compressive Strength Analysis:**

Reference standard EN 826:2013

### **Result\*1:**

Compressive strength of 10% of the thickness CS(10)	58 kPa equal to 0.9 mm
Compressive strength of 20% of the thickness CS(20)	189 kPa equal to 1.8 mm
Compressive strength of 30% of the thickness CS(30)	343 kPa equal to 2.7 mm

### **Comments:**

The material has proven to be exceptionally strong, even when subject to enormous pressures, thus showing that it compresses by only 2.7mm when subject to a pressure of more than 34 tons per m<sup>2</sup>; with 19 tons per m<sup>2</sup> it compresses by only 1.8 mm; with 5.9 tons per m<sup>2</sup> by only 0.9 mm.



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### **3- Effective Dynamic Strength Analysis:**

Reference standard UNI EN 29052-1

#### **Result\*1:**

Effective dynamic strength of 80 MN/m<sup>3</sup>

#### **Comment:**

Despite the panel's strong compressive strength, it still retains good effective dynamic strength values, so much so that it can also serve for thermal insulation and the soundproofing of footsteps on floors with certain per square metre weight ratings; moreover, its suitability for installation can easily be verified using normal calculation parameters.

\*1 mean values subject to laboratory tolerances

#### **Important:**

**All tests and results indicated in the above certifications were performed by the Accredited Laboratory and Notified Body No. 2685 for CPR (EU) 305/11 CERTIMAC owned and founded by E.N.E.A and C.N.R**

End 3 of 3