# SINTEF Technical Approval

## TG 20440

Issued first time: 18.03.2015
Revised: 16.11.2026
Amended:
Valid until 01.11.2031
Provided listed on
www.sintefcertification.no

SINTEF confirms that

## Hunton Nativo® Wood Fibre Insulation Boards

has been found to be fit for use in Norway and to meet the provisions regarding product documentation given in the regulation relating to the marketing of products for construction works (DOK) and regulations on technical requirements for building works (TEK), with the properties, fields of application and conditions for use as stated in this document

### 1. Holder of the approval

Hunton Fiber AS
PO box 633
2810 Gjøvik
www.hunton.no

### 2. Product description

Hunton Nativo® Wood Fibre Insulation Boards are thermal insulation from defibrated wood chips. Wood chips that are leftover material from timber production. The board are pressed from grinded wood Fibre and have light brown colour. Dimensions and density are described in table 1.

Table 1
Dimensions and density of Hunton Nativo® Wood Fibre Insulation Boards

| Property | Test method EN | Value | Unit | Tolerance |
|---|---|---|---|---|
| Thickness | 823 | 30 - 300 | mm | - 5 mm / + 15 % or 15 mm |
| Density | 1602 | ≈ 50 | kg/m³ | 44.2– 59.8 kg/m³ [1)] |
| Width | 822 | 410 - 605 | mm | ± 1,5 % |
| Length | 822 | 1220 | mm | ± 2,0 % |

[1)] Tolerance specified according to fire classification report

### 3. Fields of application

Hunton Nativo® Wood Fibre Insulation Boards can be used as thermal insulation in floors, walls, and roofs in buildings with load bearing wooden or steel structures.

Hunton Nativo® Wood Fibre Insulation Boards satisfy pre-accepted solutions for buildings in fire class 1 (brannklasse) buildings with up to 2 stories, as well as residential buildings in risk class 4 (risikoklasse) with 3 stories if each dwelling has direct access to terrain without having to escape via stairs or staircases. For other use, the fire safety needs to be documented by analysis in each project.

### 4. Product performance

*Product properties*
Product properties for Hunton Nativo® Wood Fibre Insulation Boards are described in table 1.



Fig. 1
Hunton Nativo® Wood Fibre Insulation Board
Figure: Hunton Fiber AS

*Fire resistance*
Hunton Nativo® Wood Fibre Insulation Boards have reaction-to-fire class E according to EN 13501-1.

*Durability*
Shape, dimension and properties for Hunton Nativo® Wood Fibre Insulation Boards are assessed not to change significantly over time provided that the installation and fields of application is as specified in the approval.

### 5. Environmental aspects

*Substances hazardous to health and environment*
Hunton Nativo® Wood Fibre Insulation Boards contains no hazardous substances with priority in quantities that pose any increased risk for human health and environment. Chemicals with priority include CMR, PBT or vPvB substances.

*Effect on indoor environment*
Hunton Nativo® Wood Fibre Insulation Boards are assessed according to SINTEF Technical Approval – health and environmental requirements version 09.09.2024. The product is assessed not to emit any particles, gases or radiation that have a perceptible impact on the indoor climate, or to have any significant impact on health. The product complies with the requirements of BREEAM-NOR v6.1, *Emissions from Building Products* under Hea 02 Indoor Air Quality.

*Waste treatment/recycling*
Hunton Nativo® Wood Fibre Insulation Boards are sorted as wood. The product shall be delivered to an authorized waste treatment plant for energy recovery.

*Environmental declaration*
Environmental declaration (EPD) has been prepared in accordance with EN 15804 for Hunton Nativo® Wood Fibre Insulation Board. For full environmental declaration, see EPD No. NEPD-11234-11178, www.epd-norge.no.

Table 1
Product properties Hunton Nativo® Wood Fibre Insulation Board

| Properties | Test method EN | Hunton Nativo® Wood Fibre Insulation Board | | Unit |
|---|---|---|---|---|
| | | Declaration of performance[1)] | Control limit[2)] | |
| Class of thickness | 823 | T2 | T2 = - 5 mm + 15 % max 15 mm | Class |
| Water vapour resistance factor{ μ } dry (value declared according to EN ISO 10456) wet | ISO 12086 | 5<br>3 | ≤ 5<br>≤ 3 | - |
| Thermal conductivity, declared, $\lambda_D$ | 12667 | 0,038 | ≤ 0,038 | W/mK |
| Air flow resistivity | 29053 | $AF_r$ 6 | $AF_r$ 6<br>6 | Class<br>kPa s/m² |
| Fire classification | EN 13501-1 | E | E | Class |

[1)] Declared value from producers Declaration of Performance (DoP)
[2)] The control limit indicates the limit values for the manufacturer's internal control and surveillance control.

**6. Conditions of use**

*Safety in case of fire*
On internal wall and ceiling surfaces Hunton Nativo® Wood Fibre Insulation Boards shall be protected with cladding classified as $K_2$10 D-s2,d0 or better.

On the upper side of floors, the insulation must be protected with at least 15mm thick woodbased boards, floorboards or parquet, or boards classified as $K_2$10 D-s2,d0 or better.

The insulation does not have to be protected in cold unfurnished attics.

The insulation must also be protected in all penetrations and recesses for doors and windows, etc.

The insulation shall not continue past fire separating walls or floors but be replaced with non-combustible material. See SINTEF Building Research Design Guide 520.339 B*ruk av brennbar isolasjon i bygninger*.

*Assembly*
Hunton Nativo® Wood Fibre Insulation Boards must be protected from moisture with a wind barrier against the cold side and a vapor tight layer (Vapor barrier) on the warm side. In floor In floor assemblies against cold attic rooms in small houses, etc, the insulation may be left uncovered.

Immediately after installing the insulation, the vapor barrier must be installed to prevent the dehumidification of the thermal insulation and construction during the construction period.

Hunton Nativo® Wood Fibre Insulation Boards should fit tightly against studs, rafters and sills, and without open silts in joints between board. When mounting in several layers, the board must be placed with offset joints.

In general, Hunton Nativo® Wood Fibre Insulation Boards are to be mounted according to the principles shown in SINTEF Building Research Guide:

- *523.255 Yttervegger av bindingsverk. Varmeisolering og tetting*
- *525.101 Skrå luftede tretak med isolerte takflater*
- *525.106 Skrå tretak med kaldt loft*
- *525.107 Skrå tretak med oppholdsrom på deler av loftet*
- *524.305 Skillevegg mellom boenheter i rekkehus og kjedehus*

*Transport and storage*
Hunton Nativo® Wood Fibre Insulation Boards should during transportation and storage always be protected against moisture exposure with suitable packaging.

**7. Product and factory production control**

Hunton Nativo® Wood Fibre Insulation Board is produced by Hunton Fiber AS, Brennbakkvegen 15, 2822 Bybrua, Norway.

The holder of the approval is responsible for maintaining the factory production control to ensure that Hunton Nativo® Wood Fibre Insulation Board is manufactured in compliance with the preconditions upon which this approval is based.

The manufacturing of Hunton Nativo® Wood Fibre Insulation Board and the manufacturer's system for factory production control (FPC) is subject to continuous surveillance in accordance with the contract regarding SINTEF Technical Approval.

Hunton Fiber AS, Gjøvik has a quality system that is certified in accordance with EN ISO 9001.

**8. Basis for the approval**

The product's characteristics are documented in reports issued by independent bodies. The technical documentation serves as the basis for SINTEF's product assessment with respect to the product standard EN 13171, the guidelines for SINTEF Technical Approval, and recommendations as outlined in SINTEF Building Research Design Guides.

**9. Marking**

Hunton Nativo® Wood Fibre insulation boards should be labeled on the packaging with manufacturer, product name, date of manufacture and relevant thickness.

Hunton Nativo® Wood Fibre insulation boards are CE marked in accordance with EN 13171.

The approval mark for SINTEF Technical Approval TG 20440 may also be used.

**10. Liability**

The holder/manufacturer has sole product liability according to current law. Claims can only be made against SINTEF under general law or other special grounds.

for SINTEF



Hans Boye Skogstad
Approval Manager