

THERMO ASH – Technical Datasheet

(based on information we received from our suppliers)

- **Thermo Ash** is produced only with the help of high temperature and steam.
- It retains its natural properties in an highly improved form after the treatment.
- The quality of the product is guaranteed due diligence of the raw material selection. Only European Ash is used.
- Thermo Ash from Vandecasteele is according to EN 350 in the durability class 2.
- Due to the fact that wood is a natural product, a diversification within the several planks can occur.

Test methods:

- Each test has its own test parameters, but in general one can say, that the tests were carried out at 20 °C and a relative humidity of 65 %.
- The tests were implemented according to the requirement of the respective test standard.
- The tests were carried out by an independent research institute.

Implemented tests and summarized results for Thermo Ash of Vandecasteele :

1. Wood equilibrium moisture content	5,5 % ± 0,92 % at raw density of 629 ± 38,8 kg/m ³ (n=11)
2. Differential swelling according to DIN 52 184	Radial direction: 0,11 ± 0,018 %/% (n = 12) Tangential direction: 0,22 ± 0,045 %/% (n = 10)
3. Shrinkage during drying according to DIN 52 184	Radial direction: 1,42 % ± 0,096 % (n = 12) Tangential direction: 2,34 % ± 0,096 % (n = 12)
4. Bending strength according to DIN 52 186	Tangential plank: 84,4 N/mm ² ± 23,93 at a density of 643 kg/m ³ ± 45,1 Half-rift plank: 98,5 N/mm ² ± 11,28 at a density of 613 kg/m ³ ± 22,0 Rift plank: 87,8 N/mm ² ± 25,52 at a density of 627 kg/m ³ ± 31,2
5. Brinell hardness according to ÖNORM EN 1534	Tangential plank: 41,7 N/mm ² ± 12,80 at a density of 627 kg/m ³ Half-rift plank: 34,7 N/mm ² ± 2,80 at a density of 592 kg/m ³ Rift plank: 39,8 N/mm ² ± 6,51 at a density of 609 kg/m ³
6. Durability class according to ÖNORM EN 350-1	Class 2 (durable)