

ThermoDUR[™] is a new generation of engineered timber products developed and produced by **SWP[®]**, in association with the company Lignius, whereby fast-growing and knot-free specie Fraké/Limba (*Terminalia superba*) is thermally modified with the patented Smartheat[®] proces to an optimal durability class required for the application of cladding or other exterior applications (windows, decking and furniture). The thermal modification process (without chemicals or toxic acids) is strict monitored by [SKH](#) and the homogeneous durability class (conforms EN 350-1) is guaranteed under [KOMO](#) (BRL 0605).



High durability class

Class 1 (EN 350-1 / KOMO BRL 0605)

High dimensional stability

Shrinkage class 1

Low density

±500 kg/m³

Strength class

C16

Hardness

Janka 3.900 N

Equilibrium moisture content

5.5% bij 20°C/60-65% RV

E-mod

8.860 N/mm²

Ecological modification process

No chemicals or toxic acids, only with heat-energy of wood-waste

Low thermal conductivity

$\lambda_{\text{ThermoDUR}} = 0.12 \text{ W/mK}$

CO₂ – negative[®]

Lifespan endproduct ≥ biological logging age

defect-free

No knots or sapwood

Fire retardant treatment

(EU class D-s2-d0 & B-s2-d0 conform EN 13501)

Beautiful naturally aged silver grey color

Industrial or natural

Coatings

Transparent or RAL-colors on demand

Stockmans Wood Products

Available in different rough sawn standard sizes or profiled on demand.