

Declaration of performance

No. 001-003

1. Identification code
best wood FLEX 50
2. Application
Thermal insulation of buildings
3. Manufacturer
**Holzwerk Gebr. Schneider GmbH,
Kappel 28
88436 Eberhardzell**
4. Authorized person
Not relevant
5. System for assessment and verification of the constancy of performance
System 3
6. Harmonised standard
EN 13171:2012+A1:2015 (D)
Notified body
MPA Stuttgart 0672
7. Declared performances

Essential characteristics	Performance		Harmonised technical specification
Thermal resistance	Thermal resistance	RD Table 1	EN 13171:2012 +A1:2015
	Thermal conductivity	λ_D 0.037 W/m*K	
	Thickness	Table 1	
	Thickness tolerance class	T2	
Reaction to fire	Reaction to fire	E	
Durability of reaction to fire under the influence of heat, weather, ageing/degradation	Durability characteristics	NPD	
Durability of thermal resistance under the influence of heat, weather, ageing/degradation	Thermal resistance	RD Table 1	
	Thermal conductivity	λ_D 0.037 W/m*K	
	Durability characteristics	NPD	
	Dimensional stability	NPD	
Compression strength	Compressive stress	NPD	
	Point load	NPD	

Tensile / bending strength	Tensile strength perpendicular to the plane of the board	NPD
	Tensile strength parallel to the plane of the board	NPD
Durability of compression strength under the influence of ageing/degradation	Creep behaviour under compressive stress	NPD
Water permeability	Short time water absorption	NPD
Water vapor permeability	Water vapor transmission	MU1-2
Impact sound transmission (for floors)	Dynamic stiffness	NPD
	Thickness	NPD
	Compressibility	NPD
	Flow resistance	NPD
Acoustic absorption level	Acoustic absorption	NPD
Airborne sound insulation level	Flow resistance	AFr10
Release of hazardous substances, emission into building interior	Release of hazardous substances	NPD
Smouldering behaviour	Smouldering behaviour	NPD
NPD: No performance determined		

Table 1

Thickness [mm]	40	50	60	80	100	120	140	160	180	200	220	240
Thermal resistance $R_D [(m^2 \cdot K)/W]$	1.00	1.25	1.50	2.05	2.55	3.05	3.55	4.10	4.60	5.10	5.60	6.15

8. The performance of the above product fulfils the declared performance. The above mentioned manufacturer has the sole responsibility for the preparation of the declaration of performance in accordance with the regulation (EU) No. 305/2011.

Signed for and on behalf of the manufacturer by:

Ferdinand Schneider
Managing director
Eberhardzell, 30/01/2024

