



AGEPAN[®] THD STATIC

THE LOAD-BEARING INSULATING FIBERBOARD

AGEPAN® THD STATIC

ADVANTAGES

- No preparing or removing of tools required
- Sealed building shell due to structural sheathing on one side
- Quick completion due to load-bearing sheathing on one side
- Weather-independent interior construction possible, no risk of moisture penetration through sealed building shell
- The floor-to-ceiling panel size allows waste-optimized working

AREAS OF APPLICATION

- Bare-bone house (outer shell: carpenter / interior construction: constructor)
- Passive house
- Extension
- Ideal for facade renovation of prefabricated houses
- Structural wood fibreboard insulation materials according to German technical approval certificate Z-9.1-725
- Outer sheathing and bracing of walls
- Also available as **AGEPAN® THD Static Putz** (Z-33.47-1401)

TECHNISCHE DATEN

PROPERTY	UNIT	VALUE		
Standard / Approval certificate		DIN EN 13171 / Z-9.1-725		
Nominal thickness	mm	40	60	80
Thickness, tolerance class		T3		
Calculated dimension	mm	3000 x 1250		
Coverage	mm	3000 x 1250		
Approx. weight per m ²	kg / m ²	11,6	17,4	23,2
Edge design		Butt-edged		
Bulk density (at 20°C, 65 % r.F.)	kg / m ³	290		
Nominal thermal conductivity λ _D	W / (m*K)	0,057		
Rated thermal conductivity λ _R	W / (m*K)	0,060		
Water vapour diffusion resistance factor μ		3		
Water vapour diffusion equivalent air layer thickness s _d	m	0,12	0,18	0,24
Compressive strength	kPa	≥ 200		
Specific thermal capacity	J / (kg*K)	2100		
Formaldehyde emission class		E1 – formaldehyde-free glued**		
Fire behaviour acc. to DIN EN 13501-1		E		
Building material class acc. to DIN 4102		B2		
Tensile strength perpendicular to the panel plane	kPa	≥ 7,5		
Short term water absorption		WS 1,0		
Char. Load bearing capacity of the staple R _k on shearing	N / bracket	530	670	620
Shear strength f _{v,k}	N / mm ²	0,6	0,6	0,5
Modulus of elasticity in shear G	N / mm ²	100	100	100
K _{ser} * Utilization class 1	N / mm	300	400	350
K _{ser} * Utilization class 2	N / bracket	200	300	250

* For the deformation analysis in the limit state of the load-bearing capacity, the calculation values Kser have to be reduced by 1/3.

** Meets the requirements according to the German Chemicals Prohibition Ordinance (E05)

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ECOBOARD



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