



# AGEPAN<sup>®</sup> THD STATIC

NEW OPTIONS FOR WOODEN CONSTRUCTIONS

## 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)

### TECHNICAL DATA

PROPERTY	UNIT	VALUE		
Standard / Approval certificate		DIN EN 13171 / Z-9.1-725		
Nominal thickness	mm	40	60	80**
Calculated dimension	mm	3000 x 1250		
Coverage	mm	3000 x 1250		
Approx. weight per m <sup>2</sup>	kg / m <sup>2</sup>	9,20	13,80	18,40
Edge design		Butt-edged		
Bulk density	kg / m <sup>3</sup>	230		
Nominal thermal conductivity $\lambda_D$	W / (m*K)	0,052		
Rated thermal conductivity $\lambda_R$	W / (m*K)	0,055		
Water vapour diffusion resistance factor $\mu$		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		
Designation code		WF-EN13171-T3-CS(10/Y)200-TR7,5-WS1,0		
Char. load bearing capacity of the staple $R_k$ on shearing	N / Klammer	530	670	620
Shear strength $f_{v,k}$	N / mm <sup>2</sup>	0,6	0,6	0,5
Modulus of elasticity in shear G	N / mm <sup>2</sup>	100	100	100
$K_{ser}^*$ Utilization class 1	N / mm	300	400	350
$K_{ser}^*$ Utilization class 2	N / Klammer	200	300	250

\* For the deformation analysis in the limit state of the load-bearing capacity, the calculation values  $K_{ser}$  have to be reduced by 1/3.

\*\* non-stock items

### FUNKTIONSHILFEN



Pressure resistant & stable

Quality made in Germany

Environmentally friendly

A one-stop solution

Easy to work with

For healthy living

Weather resistant



Your AGEPAN® SYSTEM partner

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