

## AGEPAN® SYSTEM – THE RIGHT CHOICE WHEN IT COMES TO FIRE PROTECTION AND SOUND INSULATION!



### FIRE PROTECTION: FOR A SAFE HOME!

Structural fire protection has become indispensable in the modern wood frame construction – because the residents' safety comes first. Once again, constructors, contractors, planners and architects can rely on our AGEPAN® SYSTEM structures.

Applied in the system - our constructions have passed the fire protection tests. Based on the fire resistance tests carried out at MFPA Leipzig GmbH (Institute for Materials Research and Testing for the Construction Industry), we have successfully verified load-bearing, space-enclosing timber stud wall constructions according to DIN 4102-2 (1977-09) and DIN EN 13501-2 (2010-2).

- Comprehensively tested fire protection system structures
- Exceptional strength
- Load-bearing



### SOUND INSULATION: FOR A QUIET HOME!

When it comes to sound insulation, we have plenty to offer as well. Noise pollution can be significantly reduced by our system constructions. The efficient use of tested system structures helps to achieve an excellent sound insulation and provides for a pleasantly quiet home.

- Tested sound insulating system structures according to DIN EN ISO 10140-2 in accordance with requirements to DIN 4109
- Exceptional sound insulating properties due to the asymmetrical THD bulk density profile
- Effective sound insulation due to an absorbing fibre structure

## EXAMPLES OF TESTED STRUCTURES

		STRUCTURE	PRODUCT	THICKNESS [mm]
FIRE PROTECTION	<p>F 60-B (REI 60)</p>	INTERIOR	Gypsum board	≥ 12,5
			AGEPAN® THD Install	≥ 40
			AGEPAN® OSB 3 Ecoboard®	≥ 15
			Solid structural timber	≥ 60 x 140
			Mineral wool (Ultimate)	≥ 140
		EXTERIOR	AGEPAN® DWD protect	16
	<p>F 60-B (REI 60)</p>	INTERIOR	Gypsum board	≥ 12,5
			AGEPAN® THD Install	≥ 40
			AGEPAN® OSB 3 Ecoboard®	≥ 15
		Solid structural timber	≥ 60 x 140	
		Mineral wool (Ultimate)	≥ 140	
	EXTERIOR	AGEPAN® UDP T+G	22	
<p>F 90-B (REI 90)</p>	INTERIOR	Gypsum board	≥ 12,5	
		AGEPAN® THD Install	≥ 40	
		AGEPAN® OSB 3 Ecoboard®	≥ 15	
		Solid structural timber	≥ 60 x 140	
		Mineral wool (Ultimate)	≥ 140	
	EXTERIOR	AGEPAN® THD Putz 050	≥ 40	
		Mineral plaster system	10	
SOUND INSULATION	<p>Exterior wall <math>R_{w,p} = 50</math> dB F 90-B (REI 90)</p>	INTERIOR	Gypsum board	≥ 12,5
			AGEPAN® THD Install	≥ 60
			AGEPAN® OSB 3 Ecoboard®	≥ 15
			Solid structural timber	≥ 60 x 140
			Mineral wool (Ultimate)	≥ 140
			AGEPAN® THD Putz 050	≥ 40
		EXTERIOR	Mineral plaster system	10
	<p>Roof – new build <math>R_{w,p} = 50</math> dB</p>	INTERIOR	Gypsum board	≥ 12,5
			AGEPAN® OSB 3 Ecoboard®	≥ 15
			Rafters	≥ 80 x 200
			Cellulose (Isocell)	≥ 200
			AGEPAN® THD T+G	≥ 80
			Support and counter battens	≥ 60 x 40
	<p>Roof – renovation <math>R_{w,p} = 49</math> dB</p>	EXTERIOR	Roof tiles	
		INTERIOR	Gypsum board	≥ 12,5
		AGEPAN® THD Install	≥ 60	
		AGEPAN® OSB 3 Ecoboard®	≥ 15	
		Solid structural timber	≥ 100 x 160	
		Cellulose (Isocell)	≥ 160	
		AGEPAN® THD T+G	≥ 80	
		Support and counter battens	≥ 60 x 40	
	EXTERIOR	Roof tiles		

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Test certificates will be provided to you on request.