

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	F 30-B (REI 30)	INTERIOR	Gypsum board	12,5
			AGEPAN® OSB 3 PUR	15
			Solid structural timber	60 x 160
			Mineral wool (Ultimate)	160
	F 60-B (REI 60)	EXTERIOR	AGEPAN® DWD protect	16
		INNEN	Gypsum board	12,5
			AGEPAN® THD Install	60
			AGEPAN® OSB 3 PUR	15
	F 90-B (REI 90) Exterior wall $R_{w,p} = 50$ dB		Solid structural timber	60 x 140
			Mineral wool (Klemmrock)	140
		EXTERIOR	AGEPAN® DWD protect	16
		INTERIOR	Gypsum board	12,5
REI 45		AGEPAN® THD Install	60	
		AGEPAN® OSB 3 PUR	15	
		Solid structural timber	60 x 140	
		Mineral wool (Klemmrock)	140	
SOUND INSULATION	Exterior wall $R_{w,p} = 50$ dB F 90-B (REI 90)	EXTERIOR	Mineral plaster system	> 8
		INTERIOR	AGEPAN® OSB 3 PUR	15
			Solid structural timber	60x160
			Cellulose (Isocell)	160
	Roof – new build $R_{w,p} = 50$ dB	EXTERIOR	Mineral plaster system	> 10
		INTERIOR	AGEPAN® THD Install	12,5
			AGEPAN® OSB 3 PUR	15
			Solid structural timber	60 x 140
	Roof – renovation $R_{w,p} = 49$ dB	EXTERIOR	Roof tiles	
		INTERIOR	Gypsum board	12,5
			AGEPAN® THD Install	60
			AGEPAN® OSB 3 PUR	15
Roof – renovation $R_{w,p} = 49$ dB		Solid structural timber	100 x 160	
		Cellulose (Isocell)	160	
		AGEPAN® THD	80	
		Support and counter battens	60 x 40	

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Test certificates will be provided to you on request.