Declaration of Performance



W4302GPCPR

1. Unique identification code of the product-type:

Tektalan A2-Basic, Tektalan A2-SmartTec, Tektalan A2-SmartTec [1.0] alpha, Tektalan A2-Protect, Tektalan A2-Protect [1.0], Tektalan A2-Lumax, Tektalan A2-Lumax [1.0], Tektalan A2-Silent, Tektalan A2-Silent [1.0], Tektalan Basic, Tektalan A2-Lumax-L, Tektalan A2-Lumax-L [1.0], ZEN Mineral [1.0], ZEN Mineral, Tektalan A2-SD TwinTec, Tektalan A2-Basic F, Tektalan A2-Basic [1.0] F, Tektalan A2-SmartTec [1.0]

2. Intended use or uses:

Thermal Insulation for Buildings (ThIB)

3. Manufacturer:

Knauf Insulation GmbH
Heraklithstraße 8, 84359 Simbach am Inn
Germany
www.knaufinsulation.com - dop@knaufinsulation.com

4. <u>Authorised representative:</u>

Not applicable

5. System or systems of assessment and verification of constancy of performance:

AVCP System 1 for Reaction to Fire A1, A2, B, C AVCP System 3 for Reaction to Fire D, E AVCP System 4 for Reaction to Fire F AVCP System 3 for the other characteristics

6a. Harmonized Standard:

EN 13168:2012 + A1:2015

Notified body or bodies:

AVCP System 1: (Notified certification body) 0751 - Forschungsinstitut für Wärmeschutz e. V. München FIW München

AVCP System 3: (Notified testing laboratory) 0751 - Forschungsinstitut für Wärmeschutz e. V. München FIW München

6b. European Assessment document: not applicable European Technical Assessment: not applicable Technical Assessment Body: not applicable

Notified body/ies: not applicable

7. Declared Performances:

See next page

W4302GPCPR 23-11-23 Version 5.1 1/20

W4302GPCPR Tektalan A2-Basic



Essential Characteristics	V	V4302GPCPR	Harmonised technical standard
	Performance	Tektalan A2-Basic	standard
Thermal Resistance	Thermal conductivity	λο WW = 0,095	EN 13168:2012 + A1:201
	(W/mK)	λD RMW = 0,034	
	Thermal Resistance	See product label	
	Thickness range (mm)	50 - 300	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A2-s1,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	CS(10/Y)20	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	TR5 {d}	
	Bending strength	NPD {d}	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Water Permeability	Short term water absorption	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Acoustic absorption index	Sound absorption	αw = NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
	Continuous glowing	NPD {e}	

W4302GPCPR 23-11-23 Version 5.1 2/20

W4302GPCPR Tektalan A2-Basic [1.0] F



Essential Characteristics		W4302GPCPR	Harmonised technical
	Performance	Tektalan A2-Basic [1.0] F	standard
Thermal Resistance	Thermal conductivity (W/mK)	λ _D WW = 0,095 λ _D RMW = 0,034	EN 13168:2012 + A1:2015
	Thermal Resistance	See product label	
		<u> </u>	
	Thickness range (mm)	50 - 75 100 - 300	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A2-s1,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	CS(10/Y)20	
	Point Load	NPD	_
Tensile / Flexural strength	Tensile strength perpendicular faces	TR5 {d}	
	Bending strength	NPD {d}	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Water Permeability	Short term water absorption	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Acoustic absorption index	Sound absorption	αw = NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
	NPD - No perform	nance determined	

W4302GPCPR 23-11-23 Version 5.1 3/20

W4302GPCPR Tektalan A2-Basic F



Essential Characteristics		W4302GPCPR	Harmonised technical standard
	Performance	Tektalan A2-Basic F	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λ _D WW = 0,095 λ _D RMW = 0,034	EN 13168:2012 + A1:2015
	Thermal Resistance	See product label	
	Thickness range (mm)	50 - 300	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A2-s1,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	CS(10/Y)20	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	TR5 {d}	
	Bending strength	NPD {d}	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Water Permeability	Short term water absorption	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Acoustic absorption index	Sound absorption	αw = NPD	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
	NPD - No perform	nance determined	

W4302GPCPR 23-11-23 Version 5.1 4/20

W4302GPCPR Tektalan A2-Lumax



V	V4302GPCPR	Harmonised technical standard
Performance	Tektalan A2-Lumax	standard
Thermal conductivity (W/mK)	λ _D WW = 0,095	EN 13168:2012 + A1:201
	λ _D RMW = 0,034	
Thermal Resistance	See product label	
Thickness range (mm)	100 - 200	
Thickness tolerance	T1	
Reaction to fire	A2-s1,d0	
Durability Characteristics	NPD {a}	
Thermal Resistance	NPD{b}	
Durability characteristics	NPD {c}	
Compressive Stress / Compressive Strength	CS(10/Y)20	
Point Load	NPD	
Tensile strength perpendicular faces	TR5 {d}	
Bending strength	NPD {d}	
Water vapour transmission, water vapour diffusion resistance factor	NPD	
Short term water absorption	NPD	
: Compressive creep	NPD	
Sound absorption	αw = 0,80	
Release of dangerous substances	NPD {e}	
Continuous glowing combustion	NPD {e}	
	Thermal conductivity (W/mK) Thermal Resistance Thickness range (mm) Thickness tolerance Reaction to fire Durability Characteristics Thermal Resistance Thermal conductivity Durability characteristics Compressive Stress / Compressive Strength Point Load Tensile strength perpendicular faces Bending strength Water vapour transmission, water vapour diffusion resistance factor Short term water absorption Compressive creep Sound absorption Release of dangerous substances	Thermal conductivity (W/mK) AD WW = 0,095 AD RMW = 0,034 Thermal Resistance Thickness range (mm) Thickness tolerance T1 Reaction to fire A2-s1,d0 Durability Characteristics NPD {a} Thermal Resistance NPD {b} Thermal conductivity NPD Durability characteristics NPD {c} Compressive Stress / Compressive Strength Point Load Point Load NPD Tensile strength perpendicular faces Bending strength Water vapour transmission, water vapour diffusion resistance factor Short term water absorption Compressive creep NPD Sound absorption Release of dangerous substances NPD {e} NPD {e}

W4302GPCPR 23-11-23 Version 5.1 5/20

W4302GPCPR Tektalan A2-Lumax [1.0]



Essential Characteristics		W4302GPCPR	Harmonised technical
	Performance	Tektalan A2-Lumax [1.0]	standard
Thermal Resistance	Thermal conductivity (W/mK)	λ _D WW = 0,095 λ _D RMW = 0,034	EN 13168:2012 + A1:2015
	Thermal Resistance	See product label	
	Thickness range (mm)	100 - 200	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A2-s1,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
	Danasme, enaraccensus	5 (8)	
Compressive Strength	Compressive Stress / Compressive Strength	CS(10/Y)20	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	TR5 {d}	
	Bending strength	NPD {d}	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Water Permeability	Short term water absorption	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Acoustic absorption index	Sound absorption	αw = 0,90	—
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
	NPD - No perf	ormance determined	

W4302GPCPR 23-11-23 Version 5.1 6/20

W4302GPCPR Tektalan A2-Lumax-L



Essential Characteristics		W4302GPCPR	Harmonised technical
	Performance	Tektalan A2-Lumax-L	standard
Thermal Resistance	Thermal conductivity (W/mK)	λ _D WW = 0,095 λ _D RMW = 0,034	EN 13168:2012 + A1:2015
	Thermal Resistance	See product label	
	Thickness range (mm)	100 - 200	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A2-s1,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	CS(10/Y)20	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	TR5 {d}	
	Bending strength	NPD {d}	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Water Permeability	Short term water absorption	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Acoustic absorption index	Sound absorption	αw = 0,80	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
	NPD - No perform	ance determined	

W4302GPCPR 23-11-23 Version 5.1 7/20

W4302GPCPR Tektalan A2-Lumax-L [1.0]



Essential Characteristics		W4302GPCPR	Harmonised technical
	Performance	Tektalan A2-Lumax-L [1.0]	standard
Thermal Resistance	Thermal conductivity (W/mK)	λ _D WW = 0,095 λ _D RMW = 0,034	EN 13168:2012 + A1:201
	Thermal Resistance	See product label	
	Thickness range (mm)	100 - 200	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A2-s1,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	CS(10/Y)20	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	TR5 {d}	
	Bending strength	NPD {d}	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Water Permeability	Short term water absorption	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Acoustic absorption index	Sound absorption	αw = 0,90	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
	NPD - No perform	nance determined	

W4302GPCPR 23-11-23 Version 5.1 8/20

W4302GPCPR Tektalan A2-Protect



Essential Characteristics	\	N4302GPCPR	Harmonised technical standard
	Performance	Tektalan A2-Protect	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λο WW = 0,095	EN 13168:2012 + A1:201
		λ _D RMW = 0,034	
	Thermal Resistance	See product label	
	Thickness range (mm)	50 - 200	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A2-s1,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	CS(10/Y)20	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	TR5 {d}	
	Bending strength	NPD {d}	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Water Permeability	Short term water absorption	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Acoustic absorption index	Sound absorption	αw = 0,80	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
	Continuous glowing	NPD {e}	

W4302GPCPR 23-11-23 Version 5.1 9/20

W4302GPCPR Tektalan A2-Protect [1.0]



Essential Characteristics		W4302GPCPR	Harmonised technical standard
	Performance	Tektalan A2-Protect [1.0]	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λD WW = 0,095 λD RMW = 0,034	EN 13168:2012 + A1:2015
	Thermal Resistance	See product label	
	Thickness range (mm)	50 - 200	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A2-s1,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	CS(10/Y)20	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	TR5 {d}	
	Bending strength	NPD {d}	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Water Permeability	Short term water absorption	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Acoustic absorption index	Sound absorption	αw = 0,90	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
	NPD - No perfo	rmance determined	

W4302GPCPR 23-11-23 Version 5.1 10/20

W4302GPCPR Tektalan A2-SD TwinTec



Essential Characteristics		W4302GPCPR	Harmonised technical
	Performance	Tektalan A2-SD TwinTec	standard
Thermal Resistance	Thermal conductivity (W/mK)	λ _D WW = 0,095 λ _D RMW = 0,037	EN 13168:2012 + A1:201
	Thermal Resistance	See product label	
	Thickness range (mm)	75- 200	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A2-s1,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	CS(10/Y)50	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	TR7,5 {d}	
	Bending strength	NPD {d}	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Water Permeability	Short term water absorption	NPD	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Acoustic absorption index	Sound absorption	αw = 0,85	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
	NPD - No perform	nance determined	

W4302GPCPR 23-11-23 Version 5.1 11/20

W4302GPCPR Tektalan A2-Silent



Essential Characteristics		W4302GPCPR	Harmonised technical
	Performance	Tektalan A2-Silent	standard
Thermal Resistance	Thermal conductivity (W/mK)	λο WW = 0,090 0,095 λο RMW = 0,039	EN 13168:2012 + A1:2015
	Thermal Resistance	See product label	
	Thickness range (mm)	50	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A2-s1,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
	Januarine, enaracteristics	5 (6)	
Compressive Strength	Compressive Stress / Compressive Strength	CS(10/Y)20	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	TR5 {d}	
	Bending strength	NPD {d}	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Water Permeability	Short term water absorption	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Acoustic absorption index	Sound absorption	αw = 0,80	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
	NPD - No peri	formance determined	

W4302GPCPR 23-11-23 Version 5.1 12/20

W4302GPCPR Tektalan A2-Silent [1.0]



Essential Characteristics		W4302GPCPR	Harmonised technical
	Performance	Tektalan A2-Silent [1.0]	standard
Thermal Resistance	Thermal conductivity (W/mK)	λ _D WW = 0,095 λ _D RMW = 0,039	EN 13168:2012 + A1:201
	Thermal Resistance	See product label	
	Thickness range (mm)	50	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A2-s1,d0	
Durability of reaction to fire against heat,	Durability Characteristics	NPD {a}	
weathering, ageing / degradation	Burability Characteristics	MID (a)	
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
Compressive Strength	Compressive Stress / Compressive Strength	CS(10/Y)20	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	TR5 {d}	
	Bending strength	NPD {d}	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Water Permeability	Short term water absorption	NPD	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Acoustic absorption index	Sound absorption	αw = 0,90	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
	NPD - No perform	ance determined	

W4302GPCPR 23-11-23 Version 5.1 13/20

W4302GPCPR Tektalan A2-SmartTec



Essential Characteristics	W4302GPCPR		Harmonised technical standard	
	Performance	Tektalan A2-SmartTec	standard	
Thermal Resistance	Thermal conductivity (W/mK)	λο WW = 0,095 λο RMW = 0,034	EN 13168:2012 + A1:2015	
	Thermal Resistance	See product label		
	Thickness range (mm)	50 - 300		
	Thickness tolerance	T1		
Reaction to Fire	Reaction to fire	A2-s1,d0		
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}		
Durability of thermal resistance against	Thermal Resistance	NPD{b}		
heat, weathering, ageing / degradation	Thermal conductivity	NPD		
	Durability characteristics	NPD {c}		
Compressive Strength	Compressive Stress / Compressive Strength	CS(10/Y)20		
	Point Load	NPD		
Tensile / Flexural strength	Tensile strength perpendicular faces	TR5 {d}		
	Bending strength	NPD {d}		
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD		
Water Permeability	Short term water absorption	NPD		
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD		
Acoustic absorption index	Sound absorption	αw = 0,80		
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}		
Continuous glowing combustion	Continuous glowing combustion	NPD {e}		
	NPD - No perfo	ormance determined		

W4302GPCPR 23-11-23 Version 5.1 14/20

W4302GPCPR Tektalan A2-SmartTec [1.0]



Essential Characteristics	W4302GPCPR		Harmonised technical
	Performance	Tektalan A2-SmartTec [1.0]	standard
Thermal Resistance	Thermal conductivity (W/mK)	λ _D WW = 0,095 λ _D RMW = 0,034	EN 13168:2012 + A1:201
	Thermal Resistance	See product label	
	Thickness range (mm)	50 - 75 100 - 300	
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A2-s1,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against	Thermal Resistance	NPD{b}	
heat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
	Durability characteristics	NPD {C}	
Compressive Strength	Compressive Stress / Compressive Strength	CS(10/Y)20	
	Point Load	NPD	
Tensile / Flexural strength	Tensile strength perpendicular faces	TR5 {d}	
	Bending strength	NPD {d}	
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Water Permeability	Short term water absorption	NPD	
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Acoustic absorption index	Sound absorption	αw = 0,80	_
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
	NPD - No perform	nance determined	

W4302GPCPR 23-11-23 Version 5.1 15/20

W4302GPCPR Tektalan A2-SmartTec [1.0] alpha



Essential Characteristics	W4302GPCPR		Harmonised technical
	Performance	Tektalan A2-SmartTec [1.0] alpha	standard
Thermal Resistance	Thermal conductivity (W/mK)	λD WW = 0,095 λD RMW = 0,034	EN 13168:2012 + A1:201
	Thermal Resistance	See product label	_
	Thickness range (mm)	50 - 300	\dashv
	Thickness tolerance	T1	
Reaction to Fire	Reaction to fire	A2-s1,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against	Thermal Resistance	NPD{b}	_
heat, weathering, ageing / degradation	Thermal conductivity	NPD	
	Durability characteristics	NPD {c}	
	Durability characteristics	וודט (נ)	
Compressive Strength	Compressive Stress / Compressive Strength	CS(10/Y)20	
	Point Load	NPD	\dashv
Tensile / Flexural strength	Tensile strength perpendicular faces	TR5 {d}	
	Bending strength	NPD {d}	\dashv
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD	
Water Permeability	Short term water absorption	NPD	
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD	
Acoustic absorption index	Sound absorption	αw = 0,90	_
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}	
Continuous glowing combustion	Continuous glowing combustion	NPD {e}	
	NPD - No perfor	mance determined	

W4302GPCPR 23-11-23 Version 5.1 16/20

W4302GPCPR Tektalan Basic



Essential Characteristics	W4302GPCPR		Harmonised technical standard	
	Performance	Tektalan Basic	Standard	
Thermal Resistance	Thermal conductivity (W/mK)	λο WW = 0,095 λο RMW = 0,034	EN 13168:2012 + A1:2015	
	Thermal Resistance	See product label		
	Thickness range (mm)	50 - 300		
	Thickness tolerance	T1		
Reaction to Fire	Reaction to fire	B-s1,d0		
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}		
Durability of thermal resistance against	Thermal Resistance	NPD{b}		
heat, weathering, ageing / degradation	Thermal conductivity	NPD		
	Durability characteristics	NPD {c}		
Compressive Strength	Compressive Stress / Compressive Strength	CS(10/Y)20		
	Point Load	NPD		
Tensile / Flexural strength	Tensile strength perpendicular faces	TR5 {d}		
	Bending strength	NPD {d}		
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD		
Water Permeability	Short term water absorption	NPD		
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD		
Acoustic absorption index	Sound absorption	αw = NPD		
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}		
Continuous glowing combustion	Continuous glowing combustion	NPD {e}		
	NPD - No per	formance determined		

W4302GPCPR 23-11-23 Version 5.1 17/20

W4302GPCPR ZEN Mineral



Essential Characteristics	W4302GPCPR		Harmonised technical	
	Performance	ZEN Mineral	standard	
Thermal Resistance	Thermal conductivity (W/mK)	λ _D WW = 0,095 λ _D RMW = 0,034	EN 13168:2012 + A1:2019	
	Thermal Resistance	See product label		
	Thickness range (mm)	50 - 75		
	Thickness tolerance	T1		
Reaction to Fire	Reaction to fire	A2-s1,d0		
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}		
Durability of thermal resistance against	Thermal Resistance	NPD{b}		
heat, weathering, ageing / degradation	Thermal conductivity	NPD		
	Durability characteristics	NPD {c}		
Compressive Strength	Compressive Stress / Compressive Strength	CS(10/Y)20		
	Point Load	NPD		
Tensile / Flexural strength	Tensile strength perpendicular faces	TR5 {d}		
	Bending strength	NPD {d}		
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD		
Water Permeability	Short term water absorption	NPD		
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD		
Acoustic absorption index	Sound absorption	αw = 0,80		
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}		
Continuous glowing combustion	Continuous glowing combustion	NPD {e}		
	NPD - No perfoi	rmance determined		

W4302GPCPR 23-11-23 Version 5.1 18/20

W4302GPCPR ZEN Mineral [1.0]



Essential Characteristics	W4302GPCPR		Harmonised technical	
	Performance	ZEN Mineral [1.0]	standard	
Thermal Resistance	Thermal conductivity (W/mK)	λ _D WW = 0,095 λ _D RMW = 0,034	EN 13168:2012 + A1:2015	
	Thermal Resistance	See product label		
	Thickness range (mm)	50 - 75		
	Thickness tolerance	T1		
Reaction to Fire	Reaction to fire	A2-s1,d0		
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}		
Durability of thermal resistance against	Thermal Resistance	NPD{b}		
heat, weathering, ageing / degradation	Thermal conductivity	NPD		
	Durability characteristics	NPD {c}		
Compressive Strength	Compressive Stress / Compressive Strength	CS(10/Y)20		
	Point Load	NPD		
Tensile / Flexural strength	Tensile strength perpendicular faces	TR5 {d}		
	Bending strength	NPD {d}		
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD		
Water Permeability	Short term water absorption	NPD		
Ourability of compressive Strength against ageing / degradation	Compressive creep	NPD		
Acoustic absorption index	Sound absorption	αw = 0,80		
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}		
Continuous glowing combustion	Continuous glowing combustion	NPD {e}		
	NPD - No perform	nance determined		

W4302GPCPR 23-11-23 Version 5.1 19/20



8. <u>Appropriate Technical Documentation and / or Specific Technical Documentation:</u>

Not applicable

The performance of the product identified above is in conformity with the set of declared performances.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Franz Rankl - Plant manager (Name and function)

Simbach - 23-11-23 (Place and date of issue)

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W4302GPCPR 23-11-23 Version 5.1 20/20

[{]a} No change in reaction to fire properties for WW Products. The fire performance of WW does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time.

⁽b) Thermal conductivity of WW products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air

[{]c} For dimensional stability thickness only

⁽d) This characteristic also covers handling and installation

[{]e} European test methods are under development

[{]f} Also valid and applicable for multilayers