Declaration of Performance

W4302GPCPR



1. <u>Unique identification code of the product-type:</u>

Tektalan A2-Basic, A2-Basic F, A2-Basic [1.0] F, Tektalan A2-SmartTec, A2-SmartTec [1.0], Tektalan A2-SmartTec alpha, 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

- 2. <u>Intended use or uses:</u> Thermal Insulation for Buildings (ThIB)
- <u>Manufacturer:</u> Knauf Insulation GmbH Heraklithstraße 8, 84359 Simbach am Inn Germany www.knaufinsulation.com - dop@knaufinsulation.com
- 4. <u>Authorised representative:</u> Not applicable
- System or systems of assessment and verification of constancy of performance: AVCP System 1 for Reaction to Fire AVCP System 3 for the other characteristics
- 6a. <u>Harmonized Standard:</u>

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. <u>Declared Performances:</u>

See next page

W4302GPCPR Tektalan A2-Basic, A2-Basic F, A2-Basic [1.0] F



Essential Characteristics	W4302GPCPR			Harmonised technical
	Performance	Tektalan A2-Basic, A2-B	asic F, A2-Basic [1.0] F	- standard
Thermal Resistance	Thermal conductivity (W/mK)	λd WW	= 0,095	EN 13168:2012 +
		λd RMW=0,034		A1:2015
	Thermal Resistance	See product label		-
	Thickness range (mm)	50 - 75 1	100 - 300	
	Thickness tolerance	T1	l	
Reaction to Fire	Reaction to fire	A2,s1	L,d0	-
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD	{a}	
Durability of thermal resistance	Thermal Resistance	NPD	{b}	-
against heat, weathering, ageing / degradation	Thermal conductivity	NP	D	
uegrauation	Durability characteristics	NPD	{c}	
Compressive Strength	Compressive Stress / Compressive Strength	CS(10)20		-
	Point Load	NPD		-
Tensile / Flexural strength	Tensile strength perpendicular faces	TR 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		-
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD		
Acoustic absorptions index	Sound absorption	Thickness range (mm)	NPD	-
·	αρ	125 Hz	NPD	-
		250 Hz	NPD	-
		500 Hz	NPD	-
		1000 Hz	NPD	-
		2000 Hz	NPD	-
		4000 Hz	NPD	-
	αw	NPD		-
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}		
Continuous glowing combustion	Continuous glowing combustion	NPD	{e}	1
	NPD - No porfo	rmance determined		

W4302GPCPR Tektalan A2-Lumax



Essential Characteristics	W4302GPCPR			Harmonised technical
	Performance	Tektalan A	2-Lumax	standard
Thermal Resistance	Thermal conductivity (W/mK)	λd WW =	= 0,095	EN 13168:2012 +
		λd RMW	=0,034	A1:2015
	Thermal Resistance	See product label		_
	Thickness range (mm)	100 - 2	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	Thermal Resistance	NPD{	[b}	
against heat, weathering, ageing / degradation	Thermal conductivity	NPE)	_
deprodución	Durability characteristics	NPD	{c}	
Compressive Strength	Compressive Stress / Compressive Strength	CS(10)20		_
	Point Load	NPD		_
Tensile / Flexural strength	Tensile strength perpendicular faces	TR 5 {d}		
	Bending strength	NPD {d}		_
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD		
Water Permeability	Short term water absorption	NPE)	_
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD		
Acoustic absorptions index	Sound absorption	Thickness range (mm)	100 - 200	_
	αρ	125 Hz	0,20	-
		250 Hz	0,65	-
		500 Hz	0,95	
		1000 Hz	0,95	
		2000 Hz	0,80	
		4000 Hz	0,60	
	α₩	0,80		
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}		
Continuous glowing combustion	Continuous glowing combustion	n NPD {e}		
	NDD No porfo	rmance determined		

W4302GPCPR Tektalan A2-Lumax [1.0]



	1			
Essential Characteristics		W4302GPCPR		Harmonised technical standard
	Performance	Tektalan A2-L	umax [1.0]	standard
Thermal Resistance	Thermal conductivity (W/mK)	λd WW =	= 0,095	EN 13168:2012 +
		λd RMW	=0,034	A1:2015
	Thermal Resistance	See produ	ict label	_
	Thickness range (mm)	100 - 2	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	Thermal Resistance	NPD{	[b}	
against heat, weathering, ageing / degradation	Thermal conductivity	NPE)	
uegradation	Durability characteristics	NPD	{c}	-
Compressive Strength	Compressive Stress / Compressive Strength	CS(10)20	
	Point Load	NPD		
Tensile / Flexural strength	Tensile strength perpendicular faces	TR 5 {d}		_
	Bending strength	NPD {d}		_
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD		
Water Permeability	Short term water absorption	NPE)	_
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD		
Acoustic absorptions index	Sound absorption	Thickness range (mm)	100 - 200	_
	αρ	125 Hz	0,25	
		250 Hz	0,70	
		500 Hz	1,00	
		1000 Hz	1,00	
		2000 Hz	0,90	
		4000 Hz	0,70	
	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}	
	NDD No sorto	rmance determined		

W4302GPCPR Tektalan A2-Lumax-L



Essential Characteristics	W4302GPCPR			Harmonised technical
	Performance	Tektalan A2-Lumax-L		standard
Thermal Resistance	Thermal conductivity (W/mK)	λd WW =	- 0,095	EN 13168:2012 +
		λd RMW	=0,034	A1:2015
	Thermal Resistance	See product label		-
	Thickness range (mm)	100 - 1	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	Thermal Resistance	NPD	[b}	-
against heat, weathering, ageing / degradation	Thermal conductivity	NPI)	-
uegradation	Durability characteristics	NPD	{c}	-
Compressive Strength	Compressive Stress / Compressive Strength	CS(10)20	
	Point Load	NPD		
Tensile / Flexural strength	Tensile strength perpendicular faces	TR 5 {d}		_
	Bending strength	NPD {d}		-
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD		
Water Permeability	Short term water absorption	NPI)	-
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD		
Acoustic absorptions index	Sound absorption	Thickness range (mm)	100 - 200	-
	αρ	125 Hz	0,20	-
		250 Hz	0,65	-
		500 Hz	0,95	
		1000 Hz	0,95	
		2000 Hz	0,80	
		4000 Hz	0,60	1
	α₩	0,80		
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}		
Continuous glowing combustion	Continuous glowing combustion	n NPD {e}		
	NDD No porfo	rmance determined		

W4302GPCPR Tektalan A2-Lumax-L [1.0]



Essential Characteristics		Harmonised technical		
	Performance	Tektalan A2-Lumax-L [1.0]		standard
Thermal Resistance	Thermal conductivity (W/mK)	λd WW	= 0,095	EN 13168:2012 +
		λd RMW	/=0,034	A1:2015
	Thermal Resistance	See produ	uct label	
	Thickness range (mm)	100 -	200	_
	Thickness tolerance	T1	l	
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	Thermal Resistance	NPD	{b}	_
against heat, weathering, ageing / degradation	Thermal conductivity	NP	D	
degradation	Durability characteristics	NPD	{c}	
Compressive Strength	Compressive Stress / Compressive Strength	CS(10)20		-
	Point Load	NPD		
Tensile / Flexural strength	Tensile strength perpendicular faces	TR 5 {d}		_
	Bending strength	NPD {d}		_
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD		
Water Permeability	Short term water absorption	NP	D	_
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD		
Acoustic absorptions index	Sound absorption	Thickness range (mm)	100 - 200	_
	αρ	125 Hz	0,25	
		250 Hz	0,70	
		500 Hz	1,00	
		1000 Hz	1,00	
		2000 Hz	0,90	
		4000 Hz	0,70	
	α₩	0,9	0	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}		
Continuous glowing combustion	Continuous glowing combustion	NPD	{e}	
	NPD No porfo	rmance determined		

W4302GPCPR Tektalan A2-Protect



Essential Characteristics	1	W4302GPCPR		Harmonised technical
Essential Characteristics	Performance	Tektalan A2	Ductost	standard
	Performance	Textalan A2	-Protect	
Thermal Resistance	Thermal conductivity (W/mK)	λd WW =	: 0,095	EN 13168:2012 +
		λd RMW	=0,034	A1:2015
	Thermal Resistance	See product label		_
	Thickness range (mm)	50 - 75 1	.00 - 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	Thermal Resistance	NPD{	b}	—
against heat, weathering, ageing / degradation	Thermal conductivity	NPE)	-
degradation	Durability characteristics	NPD	{c}	-
Compressive Strength	Compressive Stress / Compressive Strength			
	Point Load	NPD		-
Tensile / Flexural strength	Tensile strength perpendicular faces	TR 5 {d}		_
	Bending strength	NPD {d}		_
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD		
Water Permeability	Short term water absorption	NPE)	-
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD		
Acoustic absorptions index	Sound absorption	Thickness range (mm)	75 - 175	
	αρ	125 Hz	0,20	-
		250 Hz	0,65	-
		500 Hz	0,95	-
		1000 Hz	0,95	
		2000 Hz	0,80	-
		4000 Hz	0,60	
	α₩	0,80		
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}		
Continuous glowing combustion	Continuous glowing combustion	NPD {e}		
	NDD No porfo	rmance determined		

W4302GPCPR Tektalan A2-Protect [1.0]



Essential Characteristics		W4302GPCPR		Harmonised technical standard
	Performance	Tektalan A2-Pı	otect [1.0]	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λρ WW = 0,095		EN 13168:2012 +
		λd RMW=	=0,034	A1:2015
	Thermal Resistance	See product label		
	Thickness range (mm)	50 - 75 1	00 - 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	Thermal Resistance	NPD{	b}	_
against heat, weathering, ageing / degradation	Thermal conductivity	NPD)	-
acgradation	Durability characteristics	NPD {	c}	
Compressive Strength	Compressive Stress / Compressive Strength	CS(10)20		
	Point Load	NPD		_
Tensile / Flexural strength	Tensile strength perpendicular faces	TR 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)	-
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD		_
Acoustic absorptions index	Sound absorption	Thickness range (mm)	75 - 175	
	αρ	125 Hz	0,25	-
		250 Hz	0,70	-
		500 Hz	1,00	
		1000 Hz	1,00	-
		2000 Hz	0,90	-
		4000 Hz	0,70	
	αω	0,90		
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}		
Continuous glowing combustion	Continuous glowing combustion	n NPD {e}		
	NDD No porfo	rmance determined		

W4302GPCPR Tektalan A2-Silent



Essential Characteristics	W4302GPCPR			Harmonised technical
Performance		Tektalan /	A2-Silent	standard
Thermal Resistance	Thermal conductivity (W/mK)	λd WW	= 0,095	EN 13168:2012 +
		λd RMW=0,039		A1:2015
	Thermal Resistance	See prod	uct label	-
	Thickness range (mm)	50	0	-
	Thickness tolerance	T	1	-
Reaction to Fire	Reaction to fire	A2,s1	1,d0	-
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD	{a}	
Durability of thermal resistance	Thermal Resistance	NPD){b}	-
against heat, weathering, ageing / degradation	Thermal conductivity	NP	D	-
ucgradation	Durability characteristics	NPD	{C}	1
Compressive Strength	Compressive Stress / Compressive Strength	CS(10)20		_
	Point Load	NPD		-
Tensile / Flexural strength	Tensile strength perpendicular faces	TR 5 {d}		-
	Bending strength	NPD {d}		-
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD		
Water Permeability	Short term water absorption	NP	D.	-
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD		
Acoustic absorptions index	Sound absorption	Thickness range (mm)	50	-
	αρ	125 Hz	0,20	-
		250 Hz	0,65	-
		500 Hz	0,95	-
		1000 Hz	0,95	-
		2000 Hz	0,80	-
		4000 Hz	0,60	-
	αω	0,80		
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}		
Continuous glowing combustion	Continuous glowing combustion	NPD {e}		
	NDD No porfo	rmance determined		

W4302GPCPR Tektalan A2-Silent [1.0]



Essential Characteristics		Harmonised technical		
	Performance	Tektalan A2-Silent [1.0]		standard
Thermal Resistance	Thermal conductivity (W/mK)	λρ WW = 0,095		EN 13168:2012 +
		λd RMW	/=0,039	A1:2015
	Thermal Resistance	See product label		_
	Thickness range (mm)	50	0	-
	Thickness tolerance	T	1	
Reaction to Fire	Reaction to fire	A2,s1	1,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD	{a}	
Durability of thermal resistance	Thermal Resistance	NPD){b}	-
against heat, weathering, ageing / degradation	Thermal conductivity	NP	D	-
uegrauation	Durability characteristics	NPD	{C}	-
Compressive Strength	Compressive Stress / Compressive Strength	CS(10	0)20	
	Point Load	NPD		-
Tensile / Flexural strength	Tensile strength perpendicular faces	TR 5 {d}		
	Bending strength	NPD	{d}	_
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD		
Water Permeability	Short term water absorption	NP	D	-
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD		_
Acoustic absorptions index	Sound absorption	Thickness range (mm)	50	_
	αρ	125 Hz	0,25	-
		250 Hz	0,70	-
		500 Hz	1,00	
		1000 Hz	1,00	-
		2000 Hz	0,90	
		4000 Hz	0,70	_
	α₩	0,90		
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}		
Continuous glowing combustion	Continuous glowing combustion	NPD	{e}	
	NDD Na ····	rmance determined		

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	EN 13168:2012 +
		λd RMW	=0,034	A1:2015
	Thermal Resistance	See produ	ict label	_
	Thickness range (mm)	50 - 75 1	.00 - 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	Thermal Resistance	NPD{	[b}	-
against heat, weathering, ageing / degradation	Thermal conductivity	NPE)	—
uegrauation	Durability characteristics	NPD	{c}	
Compressive Strength	Compressive Stress / Compressive Strength	CS(10)20		_
	Point Load	NPD		_
Tensile / Flexural strength	Tensile strength perpendicular faces	TR 5 {d}		-
	Bending strength	NPD {d}		_
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD		
Water Permeability	Short term water absorption	NPE)	-
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD		_
Acoustic absorptions index	Sound absorption	Thickness range (mm)	50 - 200	
	αρ	125 Hz	0,25	-
		250 Hz	0,70	-
		500 Hz	1,00	
		1000 Hz	1,00	-
		2000 Hz	0,90	-
		4000 Hz	0,70	
	α₩	0,90	0	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}		
Continuous glowing combustion	Continuous glowing combustion	NPD	{e}	
	NDD No porfo	rmance determined		

W4302GPCPR Tektalan A2-SmartTec alpha



	1			
Essential Characteristics		W4302GPCPR		Harmonised technical standard
	Performance	Tektalan A2-Sm	artTec alpha	Standard
Thermal Resistance	Thermal conductivity (W/mK)	λd WW =	= 0,095	EN 13168:2012 +
		λd RMW	=0,034	A1:2015
	Thermal Resistance	See produ	ict label	_
	Thickness range (mm)	50 - 75 1	00 - 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	Thermal Resistance	NPD{	[b}	-
against heat, weathering, ageing / degradation	Thermal conductivity	NPE)	-
acgradation	Durability characteristics	NPD	{c}	_
Compressive Strength	Compressive Stress / Compressive Strength	CS(10)20		
	Point Load	NPD		_
Tensile / Flexural strength	Tensile strength perpendicular faces	TR 5 {d}		-
	Bending strength	NPD {d}		_
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD		
Water Permeability	Short term water absorption	NPE)	-
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD		_
Acoustic absorptions index	Sound absorption	Thickness range (mm)	50 - 200	
	αρ	125 Hz	0,20	-
		250 Hz	0,65	-
		500 Hz	0,95	-
		1000 Hz	0,95	-
		2000 Hz	0,80	-
		4000 Hz	0,60	
	α₩	0,80	0	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}		
Continuous glowing combustion	Continuous glowing combustion	NPD	{e}	1
	NPD - No perfo	rmance determined		

W4302GPCPR Tektalan A2-SmartTec, A2-SmartTec [1.0]



Essential Characteristics		W4302GPCPR		
	Performance	Tektalan A2-SmartTec, A2-SmartTec [1.0]		standard
Thermal Resistance	Thermal conductivity (W/mK)	λd WW	= 0,095	EN 13168:2012 +
		λσ RMW=0,034		A1:2015
	Thermal Resistance	See product label		_
	Thickness range (mm)	50 - 75 3	100 - 300	_
	Thickness tolerance	T1	l	_
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	Thermal Resistance	NPD	{b}	-
against heat, weathering, ageing / degradation	Thermal conductivity	NP	D	_
uegradation	Durability characteristics	NPD	{c}	
Compressive Strength	Compressive Stress / Compressive Strength	CS(10)20		-
	Point Load	NPD		-
Tensile / Flexural strength	Tensile strength perpendicular faces	TR 5 {d}		
	Bending strength	NPD {d}		_
Water vapour permeability	Water vapour transmission, water vapour diffusion resistance factor	NPD		_
Water Permeability	Short term water absorption	NP	D	-
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD		-
Acoustic absorptions index	Sound absorption	Thickness range (mm)	NPD	_
	αρ	125 Hz	NPD	-
		250 Hz	NPD	-
		500 Hz	NPD	-
		1000 Hz	NPD	
		2000 Hz	NPD	-
		4000 Hz	NPD	
	αw	NP	D	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}		1
Continuous glowing combustion	Continuous glowing combustion	n NPD {e}		-
	NDD No porfo	rmance determined		

W4302GPCPR Tektalan Basic



5	1			
Essential Characteristics	W4302GPCPR			Harmonised technical standard
	Performance	Tektalan Basic		Standard
Thermal Resistance	Thermal conductivity (W/mK)	ty (W/mK) λρ WW = 0,095 λρ RMW=0,034		EN 13168:2012 + A1:2015
	Thermal Resistance	See product label		
	Thickness range (mm)	50 - 75 100 - 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	Thermal Resistance	NPD{b}		
against heat, weathering, ageing / degradation	Thermal conductivity	NPD		
degradation	Durability characteristics	NPD {c}		-
Compressive Strength	Compressive Stress / Compressive Strength	CS(10)20		
	Point Load	NPD		
Tensile / Flexural strength	Tensile strength perpendicular faces	TR 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		_
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD		
Acoustic absorptions index	Sound absorption	Thickness range (mm)	NPD	-
	αρ	125 Hz	NPD	
		250 Hz	NPD	
		500 Hz	NPD	
		1000 Hz	NPD	
		2000 Hz	NPD	-
		4000 Hz	NPD	-
	αω	NPD		
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}		
Continuous glowing combustion	Continuous glowing combustion	NPD		
	NPD - No porfo	rmance determined		

W4302GPCPR ZEN Mineral



Essential Characteristics	W4302GPCPR			Harmonised technical
	Performance	ZEN M	ineral	standard
Thermal Resistance	Thermal conductivity (W/mK)	λp WW = 0,095		EN 13168:2012 +
		λο ΝΡΟ		A1:2015
	Thermal Resistance	See product label		-
	Thickness range (mm)	50 - 75		-
	Thickness tolerance	T1		
Reaction to Fire	Reaction to fire	A2,s1,d0		1
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}		
Durability of thermal resistance	Thermal Resistance	NPD{b}		-
against heat, weathering, ageing / degradation	Thermal conductivity	NPD		-
degradation	Durability characteristics	NPD) {c}	-
Compressive Strength	Compressive Stress / Compressive Strength	CS(10)20		
	Point Load	NPD		—
Tensile / Flexural strength	Tensile strength perpendicular faces	TR 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		-
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD		_
Acoustic absorptions index	Sound absorption	Thickness range (mm)	NPD	
	αρ	125 Hz	NPD	-
		250 Hz	NPD	-
		500 Hz	NPD	-
		1000 Hz	NPD	-
		2000 Hz	NPD	-
		4000 Hz	NPD	-
	αw	NPD		
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}		
Continuous glowing combustion	Continuous glowing combustion	NPD	1	
	NPD - No perfo	rmance determined		

W4302GPCPR ZEN Mineral [1.0]



For a startic li Characteriation	1	W4202CDCDD		
Essential Characteristics	W4302GPCPR			Harmonised technical standard
	Performance	ZEN Mineral [1.0]		
Thermal Resistance	Thermal conductivity (W/mK)	λρ WW = 0,095		EN 13168:2012 +
		λd NPD		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	Thermal Resistance	NPD{b}		
against heat, weathering, ageing /	Thermal conductivity	NPD		
degradation	Durability characteristics	NPD {c}		
Compressive Strength	Compressive Stress / Compressive Strength	CS(10)20		_
	Point Load	NPD		_
Tensile / Flexural strength	Tensile strength perpendicular faces	TR 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		-
Durability of compressive Strength against ageing / degradation	Compressive creep	NPD		
Acoustic absorptions index	Sound absorption	Thickness range (mm)	NPD	-
	αρ	125 Hz	NPD	
		250 Hz	NPD	-
		500 Hz	NPD	
		1000 Hz	NPD	
		2000 Hz	NPD	
		4000 Hz	NPD	
	αω	NPD		
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD {e}		
Continuous glowing combustion	Continuous glowing combustion	NPD		
		rmance determined		



Appropriate Technical Documentation and / or Specific Technical Documentation: Not applicable The performance of the product identified above is in conformity with the set of deslar

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.

Herbert Rieder - Plant manager (Name and function)

H. hil

Simbach - 17-03-22 (Place and date of issue)

{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