

# Declaration of Performance



## W4302GPCPR

1. Unique identification code of the product-type:  
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. 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. Authorised representative:  
Not applicable
5. 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. 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

Essential Characteristics	W4302GPCPR		Harmonised technical standard
	Performance	Tektalan A2-Basic, A2-Basic F, A2-Basic [1.0] F	
Thermal Resistance	Thermal conductivity (W/mK)	$\lambda_D$ WW = 0,095 $\lambda_D$ 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	A2,s1,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
	Thermal conductivity	NPD	
	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
		$\alpha_p$	
		125 Hz	NPD
		250 Hz	NPD
		500 Hz	NPD
		1000 Hz	NPD
		2000 Hz	NPD
	4000 Hz	NPD	
	$\alpha_w$	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 performance determined			

Essential Characteristics	W4302GPCPR			Harmonised technical standard
	Performance	Tektalan A2-Lumax		
Thermal Resistance	Thermal conductivity (W/mK)	$\lambda_D$ WW = 0,095 $\lambda_D$ 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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}		
	Thermal conductivity	NPD		
	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)	100 - 200	
		$\alpha_p$		
		125 Hz	0,20	
		250 Hz	0,65	
		500 Hz	0,95	
		1000 Hz	0,95	
		2000 Hz	0,80	
	4000 Hz	0,60		
	$\alpha_w$	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 performance determined				

Essential Characteristics	W4302GPCPR			Harmonised technical standard
	Performance	Tektalan A2-Lumax [1.0]		
Thermal Resistance	Thermal conductivity (W/mK)	$\lambda_D$ WW = 0,095 $\lambda_D$ 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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}		
	Thermal conductivity	NPD		
	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)	100 - 200	
		$\alpha_p$		
		125 Hz	0,25	
		250 Hz	0,70	
		500 Hz	1,00	
		1000 Hz	1,00	
		2000 Hz	0,90	
	4000 Hz	0,70		
	$\alpha_w$	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 performance determined				

Essential Characteristics	W4302GPCPR			Harmonised technical standard
	Performance	Tektalan A2-Lumax-L		
Thermal Resistance	Thermal conductivity (W/mK)	$\lambda_D$ WW = 0,095 $\lambda_D$ 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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}		
	Thermal conductivity	NPD		
	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)	100 - 200	
		$\alpha_p$		
		125 Hz	0,20	
		250 Hz	0,65	
		500 Hz	0,95	
		1000 Hz	0,95	
		2000 Hz	0,80	
	4000 Hz	0,60		
	$\alpha_w$	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 performance determined				

Essential Characteristics	W4302GPCPR			Harmonised technical standard
	Performance	Tektalan A2-Lumax-L [1.0]		
Thermal Resistance	Thermal conductivity (W/mK)	$\lambda_D$ WW = 0,095 $\lambda_D$ 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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}		
	Thermal conductivity	NPD		
	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)	100 - 200	
		$\alpha_p$		
		125 Hz	0,25	
		250 Hz	0,70	
		500 Hz	1,00	
		1000 Hz	1,00	
		2000 Hz	0,90	
	4000 Hz	0,70		
	$\alpha_w$	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 performance determined				

Essential Characteristics	W4302GPCPR			Harmonised technical standard
	Performance	Tektalan A2-Protect		
Thermal Resistance	Thermal conductivity (W/mK)	$\lambda_D$ WW = 0,095 $\lambda_D$ RMW=0,034		EN 13168:2012 + A1:2015
	Thermal Resistance	See product label		
	Thickness range (mm)	50 - 75   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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}		
	Thermal conductivity	NPD		
	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	
		$\alpha_p$		
		125 Hz	0,20	
		250 Hz	0,65	
		500 Hz	0,95	
		1000 Hz	0,95	
		2000 Hz	0,80	
	4000 Hz	0,60		
	$\alpha_w$	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 performance determined				

Essential Characteristics	W4302GPCPR			Harmonised technical standard
	Performance	Tektalan A2-Protect [1.0]		
Thermal Resistance	Thermal conductivity (W/mK)	$\lambda_D$ WW = 0,095 $\lambda_D$ RMW=0,034		EN 13168:2012 + A1:2015
	Thermal Resistance	See product label		
	Thickness range (mm)	50 - 75   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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}		
	Thermal conductivity	NPD		
	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	
		$\alpha_p$		
		125 Hz	0,25	
		250 Hz	0,70	
		500 Hz	1,00	
		1000 Hz	1,00	
		2000 Hz	0,90	
	4000 Hz	0,70		
	$\alpha_w$	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 performance determined				



Essential Characteristics	W4302GPCPR			Harmonised technical standard
	Performance	Tektalan A2-Silent		
Thermal Resistance	Thermal conductivity (W/mK)	$\lambda_D$ WW = 0,095 $\lambda_D$ 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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}		
	Thermal conductivity	NPD		
	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)	50	
		$\alpha_p$		
		125 Hz	0,20	
		250 Hz	0,65	
		500 Hz	0,95	
		1000 Hz	0,95	
		2000 Hz	0,80	
	4000 Hz	0,60		
	$\alpha_w$	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 performance determined				

Essential Characteristics	W4302GPCPR			Harmonised technical standard
	Performance	Tektalan A2-Silent [1.0]		
Thermal Resistance	Thermal conductivity (W/mK)	$\lambda_D$ WW = 0,095 $\lambda_D$ 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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}		
	Thermal conductivity	NPD		
	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)	50	
		$\alpha_p$		
		125 Hz	0,25	
		250 Hz	0,70	
		500 Hz	1,00	
		1000 Hz	1,00	
		2000 Hz	0,90	
	4000 Hz	0,70		
	$\alpha_w$	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 performance determined				

Essential Characteristics	W4302GPCPR			Harmonised technical standard
	Performance	Tektalan A2-SmartTec [1.0] alpha		
Thermal Resistance	Thermal conductivity (W/mK)	$\lambda_D$ WW = 0,095 $\lambda_D$ RMW=0,034		EN 13168:2012 + A1:2015
	Thermal Resistance	See product label		
	Thickness range (mm)	50 - 75   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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}		
	Thermal conductivity	NPD		
	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)	50 - 200	
		$\alpha_p$		
		125 Hz	0,25	
		250 Hz	0,70	
		500 Hz	1,00	
		1000 Hz	1,00	
		2000 Hz	0,90	
	4000 Hz	0,70		
	$\alpha_w$	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 performance determined				

Essential Characteristics	W4302GPCPR			Harmonised technical standard
	Performance	Tektalan A2-SmartTec alpha		
Thermal Resistance	Thermal conductivity (W/mK)	$\lambda_D$ WW = 0,095 $\lambda_D$ RMW=0,034		EN 13168:2012 + A1:2015
	Thermal Resistance	See product label		
	Thickness range (mm)	50 - 75   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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}		
	Thermal conductivity	NPD		
	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)	50 - 200	
		$\alpha_p$		
		125 Hz	0,20	
		250 Hz	0,65	
		500 Hz	0,95	
		1000 Hz	0,95	
		2000 Hz	0,80	
	4000 Hz	0,60		
	$\alpha_w$	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 performance determined				

Essential Characteristics	W4302GPCPR		Harmonised technical standard
	Performance	Tektalan A2-SmartTec, A2-SmartTec [1.0]	
Thermal Resistance	Thermal conductivity (W/mK)	$\lambda_D$ WW = 0,095 $\lambda_D$ 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	A2,s1,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD {a}	
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}	
	Thermal conductivity	NPD	
	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
		$\alpha_p$	
		125 Hz	NPD
		250 Hz	NPD
		500 Hz	NPD
		1000 Hz	NPD
		2000 Hz	NPD
	4000 Hz	NPD	
	$\alpha_w$	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 performance determined			

Essential Characteristics	W4302GPCPR			Harmonised technical standard
	Performance	Tektalan Basic		
Thermal Resistance	Thermal conductivity (W/mK)	$\lambda_D$ WW = 0,095 $\lambda_D$ 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 against heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}		
	Thermal conductivity	NPD		
	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	
		$\alpha_p$		
		125 Hz	NPD	
		250 Hz	NPD	
		500 Hz	NPD	
		1000 Hz	NPD	
		2000 Hz	NPD	
	4000 Hz	NPD		
	$\alpha_w$	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 performance determined				

Essential Characteristics	W4302GPCPR			Harmonised technical standard
	Performance	ZEN Mineral		
Thermal Resistance	Thermal conductivity (W/mK)	$\lambda_D$ WW = 0,095 $\lambda_D$ NPD		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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}		
	Thermal conductivity	NPD		
	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	
		$\alpha_p$		
		125 Hz	NPD	
		250 Hz	NPD	
		500 Hz	NPD	
		1000 Hz	NPD	
		2000 Hz	NPD	
	4000 Hz	NPD		
	$\alpha_w$	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 performance determined				

Essential Characteristics	W4302GPCPR			Harmonised technical standard
	Performance	ZEN Mineral [1.0]		
Thermal Resistance	Thermal conductivity (W/mK)	$\lambda_D$ WW = 0,095 $\lambda_D$ NPD		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 heat, weathering, ageing / degradation	Thermal Resistance	NPD{b}		
	Thermal conductivity	NPD		
	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	
		$\alpha_p$		
		125 Hz	NPD	
		250 Hz	NPD	
		500 Hz	NPD	
		1000 Hz	NPD	
		2000 Hz	NPD	
	4000 Hz	NPD		
	$\alpha_w$	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 performance determined				



8. Appropriate Technical Documentation and / or Specific Technical Documentation:

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.

Herbert Rieder - Plant manager  
(Name and function)

A handwritten signature in blue ink, appearing to read 'H. Rieder'.

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