

Novo mesto: 31.05.2010

DECLARATION OF CONFORMITY

No. **A/02/10**

issued with the
EC CERTIFICATE OF CONFORMITY No. 0672 – CPD - I 14.2.01.U

We declare that the products manufactured in conformity with demands of EC Construction Products Directive (89/106/EEC) Mandate M/103 and stated in the enclosure No. 1, page 1; 2; 3; 4; 5 and 6 are in

conformity

with the demands of the **Annex ZA** of **SIST EN 13162-2009 standard**
Thermal insulation products for buildings –
Factory made mineral wool (MW) products - Specification
Applied system of attestation of conformity of factory made product for uses subject to regulations on reaction to fire is **SYSTEM No 1 (ZA.2.2)**.
Applied system of attestation of conformity of factory made product for any intended use is **SYSTEM No 3 (ZA.2.1)**.

Company

URSA SLOVENIJA, d.o.o.
Povhova ulica 2
8000 Novo mesto, SLOVENIJA

Manufacturer

URSA SLOVENIJA, d.o.o.
Povhova ulica 2
8000 Novo mesto, SLOVENIJA

Products type

Thermal and sound insulation products made from glass wool for construction.

The name of the certification body

Materialprüfungsanstalt Universität Stuttgart
MPA Stuttgart, Otto-Graf-Institut
Pfaffenwaldring 4
D-70569 Stuttgart
Certification body number: **0672**

Managing Director,
Operating Unit South East

Igor Kržan



Plant Manager

Andrej Novak



Head of the Quality
Control Department

Jože Kocjančič



ENCLOSURE No.1 page 1 of 6 to the DECLARATION OF CONFORMITY No. A/02/10
issued with the EC CERTIFICATE OF CONFORMITY No. 0672 – CPD - I 14.2.01.U.



This enclosure comprises the following products and their properties:

Data declared by the producer in accordance with the EN 13162 standard – MINERAL WOOL (MW)													
	Production designation ¹⁾	Form	Facing ²⁾	Nominal thickness (mm)	Declared thermal conductivity λ_D W/mK	Thickness tolerance class	Dimensional stability	Water absorption	Water vapour diffusion resistance	Dynamic stiffness	Compressibility	Air flow resistivity	Reaction to fire class
1a	DF45	roll	-	40-240	0,045	T1	DS(T+)	-	MU1	-	-	-	A1
	ULF	roll	-	40-240	0,045	T1	DS(T+)	-	MU1	-	-	-	A1
	ULF GEMINI	roll	-	40-240	0,045	T1	DS(T+)	-	MU1	-	-	-	A1
	ULF/V	roll	Vk ; Vr	40-240	0,045	T1	DS(T+)	-	MU1	-	-	-	A1
	ELF	roll	-	40-240	0,045	T1	DS(T+)	-	MU1	-	-	-	A1
	ELF GEMINI	roll	-	40-240	0,045	T1	DS(T+)	-	MU1	-	-	-	A1
	ELF/V	roll	Vk ; Vr	40-240	0,045	T1	DS(T+)	-	MU1	-	-	-	A1
	90R	roll	-	40-240	0,045	T1	DS(T+)	-	MU1	-	-	-	A1
90R/V	roll	Vk ; Vr	40-240	0,045	T1	DS(T+)	-	MU1	-	-	-	A1	
2a	DF44	roll	-	40-240	0,044	T1	DS(T+)	-	MU1	-	-	-	A1
	DF44 GEMINI	roll	-	40-240	0,044	T1	DS(T+)	-	MU1	-	-	-	A1
	DF44/V	roll	Va ; Vk ; Vr	40-240	0,044	T1	DS(T+)	-	MU1	-	-	-	A1
	88R	roll	-	40-240	0,044	T1	DS(T+)	-	MU1	-	-	-	A1
	88R/V	roll	Va ; Vk , Vr	40-240	0,044	T1	DS(T+)	-	MU1	-	-	-	A1
4a	DF42	roll	-	40-240	0,042	T2	DS(T+)	-	MU1	-	-	-	A1
	DF42 GEMINI	roll	-	40-240	0,042	T2	DS(T+)	-	MU1	-	-	-	A1
	DF42/V	roll	Va ; Vk ; Vr	40-240	0,042	T2	DS(T+)	-	MU1	-	-	-	A1
	84R	roll	-	40-240	0,042	T2	DS(T+)	-	MU1	-	-	-	A1
	84R/V	roll	Va ; Vk , Vr	40-240	0,042	T2	DS(T+)	-	MU1	-	-	-	A1

Legend:	²⁾ Facing	Facing type abbreviation	Novo mesto: 31.05.2010
V#	Glass veil	white 18g/m2 - Va // white 70g/m2 - Vv // yellow 45 g/m2 - Vk // black 60g/m2 - Vf // black reinforced 60 g/m2 - Vr	
¹⁾ Products can put in the market under the following trade names: »URSA Glasswool«, »URSA TERRA«, »ESSENTIA« and »365«.			

ENCLOSURE No.1 page 2 of 6 to the DECLARATION OF CONFORMITY No. A/02/10
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Data declared by the producer in accordance with the EN 13162 standard – MINERAL WOOL (MW)													
	Production designation ¹⁾	Form	Facing ²⁾	Nominal thickness (mm)	Declared thermal conductivity λ_D W/mK	Thickness tolerance class	Dimensional stability	Water absorption	Water vapour diffusion resistance	Dynamic stiffness	Compressibility	Air flow resistivity	Reaction to fire class
6a	DF 40	roll	-	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 40	roll	-	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	TWF1	roll	-	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	TWF FONO	roll	-	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	Panda	roll	-	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF40plus	roll	Va	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	DF40/V	roll	Vk ; Vr	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	DF40/DV	roll	on both sides Vk	40-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	TWF1/V	roll	Vk	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	TWF1/DV	roll	on both sides Vk	40-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	80R	roll	-	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
FONO 80R	roll	-	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1	
80R/V	roll	Vk ; Vr	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1	
6b	TWP1	slab	-	30-200	0,040	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	FKP 1	slab	-	80-200	0,040	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	80P	slab	-	30-200	0,040	T3	DS(T+)	-	MU1	-	-	AFr5	A1
7a	DF 39	roll	-	40-240	0,039	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 39	roll	-	40-240	0,039	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 39 Plus	roll	Va	40-240	0,039	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	DF 39/V	roll	Vk ; Vr	40-240	0,039	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	78R	roll	-	40-240	0,039	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	78R/V	roll	Vk ; Vr	40-240	0,039	T2	DS(T+)	-	MU1	-	-	AFr5	A1

Legend:	²⁾ Facing	Facing type abbreviation	Novo mesto: 31.05.2010
V#	Glass veil	white 18g/m2 - Va // white 70g/m2 - Vv // yellow 45 g/m2 - Vk // black 60g/m2 - Vf // black reinforced 60 g/m2- Vr	
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ENCLOSURE No.1 page 3 of 6 to the DECLARATION OF CONFORMITY No. A/02/10
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	Production designation ¹⁾	Form	Facing ²⁾	Nominal thickness (mm)	Declared thermal conductivity λ_D W/mK	Thickness tolerance class	Dimensional stability	Water absorption	Water vapour diffusion resistance	Dynamic stiffness	Compressibility	Air flow resistivity	Reaction to fire class
7b	TWP 19	slab	-	30-200	0,039	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	FKP 19	slab	-	80-200	0,039	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	78P	slab	-	30-200	0,039	T3	DS(T+)	-	MU1	-	-	AFr5	A1
8a	DF 38	roll	-	40-240	0,038	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 38 Plus	roll	Va	40-240	0,038	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 38	roll	-	40-240	0,038	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	FONLESS	roll	-	40-240	0,038	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	76R	roll	-	40-240	0,038	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	76R/V	roll	Vk ; Vr	40-240	0,038	T2	DS(T+)	-	MU1	-	-	AFr5	A1
8b	AKP1	slab	-	20-200	0,038	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	FDP1	slab	-	40-200	0,038	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	KDP1	slab	-	40-200	0,038	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	FDP1/V	slab	Vk ; Vf	40-200	0,038	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	KDP1/V	slab	Vk ; Vf	40-200	0,038	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	AKP1/V	slab	Vf	20-200	0,038	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	AKP1/V h	slab	Vf	30-200	0,038	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	76P	slab	-	40-200	0,038	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	76P/V	slab	Vk ; Vf	40-200	0,038	T3	DT(T+)	WL(P)	MU1	-	-	AFr5	A1
9a	DF 37	roll	-	25-240	0,037	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 37	roll	-	25-240	0,037	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 37 Plus	roll	Va	50-240	0,037	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	DF 37/V	roll	Vk ; Vr	50-240	0,037	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	74R	roll	-	25-240	0,037	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	74R/V	roll	Vk ; Vr	50-240	0,037	T2	DS(T+)	-	MU1	-	-	AFr5	A1

Legend:	²⁾ Facing	Facing type abbreviation	Novo mesto: 31.05.2010
V#	Glass veil	white 18g/m2 - Va // white 70g/m2 - Vv// yellow 45 g/m2 - Vk// black 60g/m2 - Vf// black reinforced 60 g/m2- Vr	
¹⁾ Products can put in the market under the following trade names: »URSA Glasswool«, »URSA TERRA«, »ESSENTIA« and »365«.			

ENCLOSURE No.1 page 4 of 6 to the DECLARATION OF CONFORMITY No. A/02/10
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This enclosure comprises the following products and their properties:

Data declared by the producer in accordance with the EN 13162 standard – MINERAL WOOL (MW)													
	Production designation ¹⁾	Form	Facing ²⁾	Nominal thickness (mm)	Declared thermal conductivity λ_D W/mK	Thickness tolerance class	Dimensional stability	Water absorption	Water vapour diffusion resistance	Dynamic stiffness	Compressibility	Air flow resistivity	Reaction to fire class
9b	AKP 17	slab	-	20-200	0,037	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	FDP 17	slab	-	30-200	0,037	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	AKP17/V	slab	Vk ; Vf	20-200	0,037	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	FDP17/V	slab	Vk ; Vf	30-200	0,037	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
11a	DF 35	roll	-	25-240	0,035	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 35	roll	-	25-240	0,035	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 35 Plus	roll	Va	50-240	0,035	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	DF 35/V	roll	Vk ; Vr	50-240	0,035	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	PLUS 70R	roll	-	25-240	0,035	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	PLUS 70R/V	roll	Vk ; Vr	50-240	0,035	T2	DS(T+)	-	MU1	-	-	AFr5	A1
11b	TWP 2	slab	-	20-200	0,035	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	AKP2	slab	-	20-200	0,035	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	FDP2	slab	-	30-200	0,035	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	KDP2	slab	-	30-200	0,035	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	TWP 2/V	slab	Vk ; Vf	30-200	0,035	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	AKP2/V	slab	Vk ; Vf	20-200	0,035	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	FDP2/V	slab	Vk ; Vf	30-200	0,035	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	KDP2/V	slab	Vk ; Vf	30-200	0,035	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	FDP2/DV	slab	on both sides Vk;Vf	30-200	0,035	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	PLUS 70XL	slab	-	30-200	0,035	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	PLUS 70P	slab	-	30-200	0,035	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	PLUS 70P/V	slab	Vk ; Vf	30-200	0,035	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1

Legend:	²⁾ Facing	Facing type abbreviation	Novo mesto: 31.05.2010
V#	Glass veil	white 18g/m2 - Va // white 70g/m2 - Vv // yellow 45 g/m2 - Vk // black 60g/m2 - Vf // black reinforced 60 g/m2- Vr	
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ENCLOSURE No.1 page 5 of 6 to the DECLARATION OF CONFORMITY No. A/02/10
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This enclosure comprises the following products and their properties:

Data declared by the producer in accordance with the EN 13162 standard – MINERAL WOOL (MW)													
	Production designation ¹⁾	Form	Facing ²⁾	Nominal thickness (mm)	Declared thermal conductivity λ_D W/mK	Thickness tolerance class	Dimensional stability	Water absorption	Water vapour diffusion resistance	Dynamic stiffness	Compressibility	Air flow resistivity	Reaction to fire class
12a	DF 34	roll	-	25-240	0,034	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 34	roll	-	25-240	0,034	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 34 Plus	roll	Va	50-240	0,034	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	DF 34/V	roll	Vk ; Vr	50-240	0,034	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	PLUS 68R	roll	-	25-240	0,034	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	PLUS 68R/V	roll	Vk ; Vr	50-240	0,034	T2	DS(T+)	-	MU1	-	-	AFr5	A1
12b	AKP 3	slab		20-200	0,034	T4	DS(T+)		MU1	-	-	AFr5	A1
	AKP 3/V	slab	Vk ; Vf	20-200	0,034	T4	DS(T+)		MU1	-	-	AFr5	A1
	FDP3	slab		20-200	0,034	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	FDP3/V	slab	Vk ; Vf	20-200	0,034	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	FDP3/DV	slab	on both sides Vk ; Vf	20-200	0,034	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	PLUS 68XL	slab	-	20-200	0,034	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	PLUS 68P	slab	-	20-200	0,034	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
PLUS 68P/V	slab	Vk ; Vf	20-200	0,034	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1	
13b	AKP4	slab	-	20-120	0,033	T4	DS(T+)	-	MU1	-	-	AFr5	A1
	AKP4h	slab	-	20-120	0,033	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	FDP4	slab	-	20-120	0,033	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	AKP4/V	slab	Vv ; Vk ; Vf	20-120	0,033	T4	DS(T+)	-	MU1	-	-	AFr5	A1
	AKP4/Vh	slab	Vv ; Vk ; Vf	20-120	0,033	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	FDP4/V	slab	Vv ; Vk ; Vf	20-120	0,033	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	66P	slab	-	20-120	0,033	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	66P/V	slab	Vv ; Vk , Vf	20-120	0,033	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1

Legend:	²⁾ Facing	Facing type abbreviation	Novo mesto: 31.05.2010
V#	Glass veil	white 18g/m2 - Va // white 70g/m2 - Vv// yellow 45 g/m2 - Vk// black 60g/m2 - Vf// black reinforced 60 g/m2- Vr	
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	Production designation ¹⁾	Form	Facing ²⁾	Nominal thickness (mm)	Declared thermal conductivity λ_D W/mK	Thickness tolerance class	Dimensional stability	Water absorption	Water vapour diffusion resistance	Dynamic stiffness	Compressibility	Air flow resistivity	Tensile strength perpendicular to faces	Compressive strength	Reaction to fire class
14b	TFP	slab	-	20-40	0,032	T6	DS(T+)	-	MU1	SD*	CP5	AFr5	-	-	A1
	TSP	slab	-	20-50	0,032	T6	DS(T+)	-	MU1	SD*	CP5	AFr5	-	-	A1
	SOL 64P	slab	-	20-50	0,032	T6	DS(T+)	-	MU1	SD*	CP5	AFr5	-	-	A1
	TEP	slab	-	15-40	0,032	T6	DS(T+)	-	MU1	SD*	CP3	AFr5	-	-	A1
	FDP 5	slab	-	30-100	0,032	T4	DS(Th)	WL(P)	MU1	-	-	AFr5	TR1	CS(10)0,5	A1
	FDP5/V	slab	Vv	30-100	0,032	T4	DS(Th)	WL(P)	MU1	-	-	AFr5	TR1	CS(10)0,5	A1
	62P	slab	-	30-120	0,032	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	-	-	A1
	62P/V	slab	Vv	30-120	0,032	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	-	-	A1
	AKP5	slab	-	30-120	0,032	T4	DS(T+)	-	MU1	-	-	AFr5	-	-	A1
AKP5/V	slab	Vv	30-120	0,032	T4	DS(T+)	-	MU1	-	-	AFr5	-	-	A1	

SD* Dynamic stiffness	For nominal thicknesses ≥ 13 mm and ≤ 15 mm SD = 20 MN/m ³ For nominal thicknesses > 15 mm and ≤ 25 mm SD = 10 MN/m ³ For nominal thicknesses > 25 mm SD = 7 MN/m ³
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Legend:	²⁾ Facing	Facing type abbreviation	Novo mesto: 31.05.2010
V#	Glass veil	white 18g/m2 - Va // white 70g/m2 - Vv // yellow 45 g/m2 - Vk // black 60g/m2 - Vf // black reinforced 60 g/m2 - Vr	
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Novo mesto: 31.05.2010

DECLARATION OF CONFORMITY

No. **A/02/10**

issued with the
EC CERTIFICATE OF CONFORMITY No. 0672 – CPD - I 14.2.01.U

We declare that the products manufactured in conformity with demands of EC Construction Products Directive (89/106/EEC) Mandate M/103 and stated in the enclosure No. 1, page 1; 2; 3; 4; 5 and 6 are in

conformity

with the demands of the **Annex ZA** of **SIST EN 13162-2009 standard**
Thermal insulation products for buildings –
Factory made mineral wool (MW) products - Specification
Applied system of attestation of conformity of factory made product for uses subject to regulations on reaction to fire is **SYSTEM No 1 (ZA.2.2)**.
Applied system of attestation of conformity of factory made product for any intended use is **SYSTEM No 3 (ZA.2.1)**.

Company

URSA SLOVENIJA, d.o.o.
Povhova ulica 2
8000 Novo mesto, SLOVENIJA

Manufacturer

URSA SLOVENIJA, d.o.o.
Povhova ulica 2
8000 Novo mesto, SLOVENIJA

Products type

Thermal and sound insulation products made from glass wool for construction.

The name of the certification body

Materialprüfungsanstalt Universität Stuttgart
MPA Stuttgart, Otto-Graf-Institut
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Certification body number: **0672**

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ENCLOSURE No.1 page 1 of 6 to the DECLARATION OF CONFORMITY No. A/02/10
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This enclosure comprises the following products and their properties:

Data declared by the producer in accordance with the EN 13162 standard – MINERAL WOOL (MW)													
	Production designation ¹⁾	Form	Facing ²⁾	Nominal thickness (mm)	Declared thermal conductivity λ_D W/mK	Thickness tolerance class	Dimensional stability	Water absorption	Water vapour diffusion resistance	Dynamic stiffness	Compressibility	Air flow resistivity	Reaction to fire class
1a	DF45	roll	-	40-240	0,045	T1	DS(T+)	-	MU1	-	-	-	A1
	ULF	roll	-	40-240	0,045	T1	DS(T+)	-	MU1	-	-	-	A1
	ULF GEMINI	roll	-	40-240	0,045	T1	DS(T+)	-	MU1	-	-	-	A1
	ULF/V	roll	Vk ; Vr	40-240	0,045	T1	DS(T+)	-	MU1	-	-	-	A1
	ELF	roll	-	40-240	0,045	T1	DS(T+)	-	MU1	-	-	-	A1
	ELF GEMINI	roll	-	40-240	0,045	T1	DS(T+)	-	MU1	-	-	-	A1
	ELF/V	roll	Vk ; Vr	40-240	0,045	T1	DS(T+)	-	MU1	-	-	-	A1
	90R	roll	-	40-240	0,045	T1	DS(T+)	-	MU1	-	-	-	A1
90R/V	roll	Vk ; Vr	40-240	0,045	T1	DS(T+)	-	MU1	-	-	-	A1	
2a	DF44	roll	-	40-240	0,044	T1	DS(T+)	-	MU1	-	-	-	A1
	DF44 GEMINI	roll	-	40-240	0,044	T1	DS(T+)	-	MU1	-	-	-	A1
	DF44/V	roll	Va ; Vk ; Vr	40-240	0,044	T1	DS(T+)	-	MU1	-	-	-	A1
	88R	roll	-	40-240	0,044	T1	DS(T+)	-	MU1	-	-	-	A1
	88R/V	roll	Va ; Vk , Vr	40-240	0,044	T1	DS(T+)	-	MU1	-	-	-	A1
4a	DF42	roll	-	40-240	0,042	T2	DS(T+)	-	MU1	-	-	-	A1
	DF42 GEMINI	roll	-	40-240	0,042	T2	DS(T+)	-	MU1	-	-	-	A1
	DF42/V	roll	Va ; Vk ; Vr	40-240	0,042	T2	DS(T+)	-	MU1	-	-	-	A1
	84R	roll	-	40-240	0,042	T2	DS(T+)	-	MU1	-	-	-	A1
	84R/V	roll	Va ; Vk , Vr	40-240	0,042	T2	DS(T+)	-	MU1	-	-	-	A1

Legend:	²⁾ Facing	Facing type abbreviation	Novo mesto: 31.05.2010
V#	Glass veil	white 18g/m2 - Va // white 70g/m2 - Vv // yellow 45 g/m2 - Vk // black 60g/m2 - Vf // black reinforced 60 g/m2 - Vr	
¹⁾ Products can put in the market under the following trade names: »URSA Glasswool«, »URSA TERRA«, »ESSENTIA« and »365«.			

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Data declared by the producer in accordance with the EN 13162 standard – MINERAL WOOL (MW)													
	Production designation ¹⁾	Form	Facing ²⁾	Nominal thickness (mm)	Declared thermal conductivity λ_D W/mK	Thickness tolerance class	Dimensional stability	Water absorption	Water vapour diffusion resistance	Dynamic stiffness	Compressibility	Air flow resistivity	Reaction to fire class
6a	DF 40	roll	-	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 40	roll	-	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	TWF1	roll	-	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	TWF FONO	roll	-	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	Panda	roll	-	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF40plus	roll	Va	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	DF40/V	roll	Vk ; Vr	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	DF40/DV	roll	on both sides Vk	40-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	TWF1/V	roll	Vk	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	TWF1/DV	roll	on both sides Vk	40-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	80R	roll	-	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1
FONO 80R	roll	-	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1	
80R/V	roll	Vk ; Vr	30-240	0,040	T2	DS(T+)	-	MU1	-	-	AFr5	A1	
6b	TWP1	slab	-	30-200	0,040	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	FKP 1	slab	-	80-200	0,040	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	80P	slab	-	30-200	0,040	T3	DS(T+)	-	MU1	-	-	AFr5	A1
7a	DF 39	roll	-	40-240	0,039	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 39	roll	-	40-240	0,039	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 39 Plus	roll	Va	40-240	0,039	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	DF 39/V	roll	Vk ; Vr	40-240	0,039	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	78R	roll	-	40-240	0,039	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	78R/V	roll	Vk ; Vr	40-240	0,039	T2	DS(T+)	-	MU1	-	-	AFr5	A1

Legend:	²⁾ Facing	Facing type abbreviation	Novo mesto: 31.05.2010
V#	Glass veil	white 18g/m2 - Va // white 70g/m2 - Vv // yellow 45 g/m2 - Vk // black 60g/m2 - Vf // black reinforced 60 g/m2- Vr	
¹⁾ Products can put in the market under the following trade names: »URSA Glasswool«, »URSA TERRA«, »ESSENTIA« and »365«.			

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Data declared by the producer in accordance with the EN 13162 standard – MINERAL WOOL (MW)													
	Production designation ¹⁾	Form	Facing ²⁾	Nominal thickness (mm)	Declared thermal conductivity λ_D W/mK	Thickness tolerance class	Dimensional stability	Water absorption	Water vapour diffusion resistance	Dynamic stiffness	Compressibility	Air flow resistivity	Reaction to fire class
7b	TWP 19	slab	-	30-200	0,039	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	FKP 19	slab	-	80-200	0,039	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	78P	slab	-	30-200	0,039	T3	DS(T+)	-	MU1	-	-	AFr5	A1
8a	DF 38	roll	-	40-240	0,038	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 38 Plus	roll	Va	40-240	0,038	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 38	roll	-	40-240	0,038	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	FONLESS	roll	-	40-240	0,038	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	76R	roll	-	40-240	0,038	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	76R/V	roll	Vk ; Vr	40-240	0,038	T2	DS(T+)	-	MU1	-	-	AFr5	A1
8b	AKP1	slab	-	20-200	0,038	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	FDP1	slab	-	40-200	0,038	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	KDP1	slab	-	40-200	0,038	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	FDP1/V	slab	Vk ; Vf	40-200	0,038	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	KDP1/V	slab	Vk ; Vf	40-200	0,038	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	AKP1/V	slab	Vf	20-200	0,038	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	AKP1/V h	slab	Vf	30-200	0,038	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	76P	slab	-	40-200	0,038	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	76P/V	slab	Vk ; Vf	40-200	0,038	T3	DT(T+)	WL(P)	MU1	-	-	AFr5	A1
9a	DF 37	roll	-	25-240	0,037	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 37	roll	-	25-240	0,037	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 37 Plus	roll	Va	50-240	0,037	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	DF 37/V	roll	Vk ; Vr	50-240	0,037	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	74R	roll	-	25-240	0,037	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	74R/V	roll	Vk ; Vr	50-240	0,037	T2	DS(T+)	-	MU1	-	-	AFr5	A1

Legend:	²⁾ Facing	Facing type abbreviation	Novo mesto: 31.05.2010
V#	Glass veil	white 18g/m2 - Va // white 70g/m2 - Vv // yellow 45 g/m2 - Vk // black 60g/m2 - Vf // black reinforced 60 g/m2 - Vr	
¹⁾ Products can put in the market under the following trade names: »URSA Glasswool«, »URSA TERRA«, »ESSENTIA« and »365«.			

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This enclosure comprises the following products and their properties:

Data declared by the producer in accordance with the EN 13162 standard – MINERAL WOOL (MW)													
	Production designation ¹⁾	Form	Facing ²⁾	Nominal thickness (mm)	Declared thermal conductivity λ_D W/mK	Thickness tolerance class	Dimensional stability	Water absorption	Water vapour diffusion resistance	Dynamic stiffness	Compressibility	Air flow resistivity	Reaction to fire class
9b	AKP 17	slab	-	20-200	0,037	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	FDP 17	slab	-	30-200	0,037	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	AKP17/V	slab	Vk ; Vf	20-200	0,037	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	FDP17/V	slab	Vk ; Vf	30-200	0,037	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
11a	DF 35	roll	-	25-240	0,035	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 35	roll	-	25-240	0,035	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 35 Plus	roll	Va	50-240	0,035	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	DF 35/V	roll	Vk ; Vr	50-240	0,035	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	PLUS 70R	roll	-	25-240	0,035	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	PLUS 70R/V	roll	Vk ; Vr	50-240	0,035	T2	DS(T+)	-	MU1	-	-	AFr5	A1
11b	TWP 2	slab	-	20-200	0,035	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	AKP2	slab	-	20-200	0,035	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	FDP2	slab	-	30-200	0,035	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	KDP2	slab	-	30-200	0,035	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	TWP 2/V	slab	Vk ; Vf	30-200	0,035	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	AKP2/V	slab	Vk ; Vf	20-200	0,035	T3	DS(T+)	-	MU1	-	-	AFr5	A1
	FDP2/V	slab	Vk ; Vf	30-200	0,035	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	KDP2/V	slab	Vk ; Vf	30-200	0,035	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	FDP2/DV	slab	on both sides Vk;Vf	30-200	0,035	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	PLUS 70XL	slab	-	30-200	0,035	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	PLUS 70P	slab	-	30-200	0,035	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	PLUS 70P/V	slab	Vk ; Vf	30-200	0,035	T3	DS(T+)	WL(P)	MU1	-	-	AFr5	A1

Legend:	²⁾ Facing	Facing type abbreviation	Novo mesto: 31.05.2010
V#	Glass veil	white 18g/m2 - Va // white 70g/m2 - Vv // yellow 45 g/m2 - Vk // black 60g/m2 - Vf // black reinforced 60 g/m2- Vr	
¹⁾ Products can put in the market under the following trade names: »URSA Glasswool«, »URSA TERRA«, »ESSENTIA« and »365«.			

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This enclosure comprises the following products and their properties:

Data declared by the producer in accordance with the EN 13162 standard – MINERAL WOOL (MW)													
	Production designation ¹⁾	Form	Facing ²⁾	Nominal thickness (mm)	Declared thermal conductivity λ_D W/mK	Thickness tolerance class	Dimensional stability	Water absorption	Water vapour diffusion resistance	Dynamic stiffness	Compressibility	Air flow resistivity	Reaction to fire class
12a	DF 34	roll	-	25-240	0,034	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 34	roll	-	25-240	0,034	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	SF 34 Plus	roll	Va	50-240	0,034	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	DF 34/V	roll	Vk ; Vr	50-240	0,034	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	PLUS 68R	roll	-	25-240	0,034	T2	DS(T+)	-	MU1	-	-	AFr5	A1
	PLUS 68R/V	roll	Vk ; Vr	50-240	0,034	T2	DS(T+)	-	MU1	-	-	AFr5	A1
12b	AKP 3	slab	-	20-200	0,034	T4	DS(T+)	-	MU1	-	-	AFr5	A1
	AKP 3/V	slab	Vk ; Vf	20-200	0,034	T4	DS(T+)	-	MU1	-	-	AFr5	A1
	FDP3	slab	-	20-200	0,034	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	FDP3/V	slab	Vk ; Vf	20-200	0,034	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	FDP3/DV	slab	on both sides Vk ; Vf	20-200	0,034	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	PLUS 68XL	slab	-	20-200	0,034	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	PLUS 68P	slab	-	20-200	0,034	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
PLUS 68P/V	slab	Vk ; Vf	20-200	0,034	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1	
13b	AKP4	slab	-	20-120	0,033	T4	DS(T+)	-	MU1	-	-	AFr5	A1
	AKP4h	slab	-	20-120	0,033	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	FDP4	slab	-	20-120	0,033	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	AKP4/V	slab	Vv ; Vk ; Vf	20-120	0,033	T4	DS(T+)	-	MU1	-	-	AFr5	A1
	AKP4/Vh	slab	Vv ; Vk ; Vf	20-120	0,033	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	FDP4/V	slab	Vv ; Vk ; Vf	20-120	0,033	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	66P	slab	-	20-120	0,033	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1
	66P/V	slab	Vv ; Vk , Vf	20-120	0,033	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	A1

Legend:	²⁾ Facing	Facing type abbreviation	Novo mesto: 31.05.2010
V#	Glass veil	white 18g/m2 - Va // white 70g/m2 - Vv// yellow 45 g/m2 - Vk// black 60g/m2 - Vf// black reinforced 60 g/m2- Vr	
¹⁾ Products can put in the market under the following trade names: »URSA Glasswool«, »URSA TERRA«, »ESSENTIA« and »365«.			

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	Production designation ¹⁾	Form	Facing ²⁾	Nominal thickness (mm)	Declared thermal conductivity λ_D W/mK	Thickness tolerance class	Dimensional stability	Water absorption	Water vapour diffusion resistance	Dynamic stiffness	Compressibility	Air flow resistivity	Tensile strength perpendicular to faces	Compressive strength	Reaction to fire class
14b	TFP	slab	-	20-40	0,032	T6	DS(T+)	-	MU1	SD*	CP5	AFr5	-	-	A1
	TSP	slab	-	20-50	0,032	T6	DS(T+)	-	MU1	SD*	CP5	AFr5	-	-	A1
	SOL 64P	slab	-	20-50	0,032	T6	DS(T+)	-	MU1	SD*	CP5	AFr5	-	-	A1
	TEP	slab	-	15-40	0,032	T6	DS(T+)	-	MU1	SD*	CP3	AFr5	-	-	A1
	FDP 5	slab	-	30-100	0,032	T4	DS(Th)	WL(P)	MU1	-	-	AFr5	TR1	CS(10)0,5	A1
	FDP5/V	slab	Vv	30-100	0,032	T4	DS(Th)	WL(P)	MU1	-	-	AFr5	TR1	CS(10)0,5	A1
	62P	slab	-	30-120	0,032	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	-	-	A1
	62P/V	slab	Vv	30-120	0,032	T4	DS(T+)	WL(P)	MU1	-	-	AFr5	-	-	A1
	AKP5	slab	-	30-120	0,032	T4	DS(T+)	-	MU1	-	-	AFr5	-	-	A1
AKP5/V	slab	Vv	30-120	0,032	T4	DS(T+)	-	MU1	-	-	AFr5	-	-	A1	

SD* Dynamic stiffness	For nominal thicknesses ≥ 13 mm and ≤ 15 mm SD = 20 MN/m ³ For nominal thicknesses > 15 mm and ≤ 25 mm SD = 10 MN/m ³ For nominal thicknesses > 25 mm SD = 7 MN/m ³
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Legend:	²⁾ Facing	Facing type abbreviation	Novo mesto: 31.05.2010
V#	Glass veil	white 18g/m2 - Va // white 70g/m2 - Vv // yellow 45 g/m2 - Vk // black 60g/m2 - Vf // black reinforced 60 g/m2 - Vr	
¹⁾ Products can put in the market under the following trade names: »URSA Glasswool«, »URSA TERRA«, »ESSENTIA« and »365«.			