

Novo mesto: 22.03.2011

DECLARATION OF CONFORMITY

No. F/03/11

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, pages 1;2;3 ;4 and 5 are in

conformity

with the demands of the **Annex ZA** of **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 4 (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.

Notified body

Materialprüfungsanstalt Universität Stuttgart
MPA Stuttgart, Otto-Graf-Institut
Pfaffenwaldring 4
D-70569 Stuttgart

Notified 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 5 to the declaration of conformity No. F/03/11
This enclosure comprises the following products and their properties:



Data declared by the producer in accordance with the EN 13162 standard – MINERAL WOOL (MW)													
Group	Producer 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	V# ; A# ; N# ; G# (one or both sides)	40-240	0,045	T1	DS(T+)	-	-	-	-	-	F
	ULF	roll	V# ; A# ; N# ; G# (one or both sides)	40-240	0,045	T1	DS(T+)	-	-	-	-	-	F
	ULF GEMINI	roll	V# ; A# ; N# ; G# (one or both sides)	40-240	0,045	T1	DS(T+)	-	-	-	-	-	F
	90R	roll	V# ; A# ; N# ; G# (one or both sides)	40-240	0,045	T1	DS(T+)	-	-	-	-	-	F
2a	ELF	roll	V# ; A# ; N# ; G# (one or both sides)	40-240	0,044	T1	DS(T+)	-	-	-	-	-	F
	ELF GEMINI	roll	V# ; A# ; N# ; G# (one or both sides)	40-240	0,044	T1	DS(T+)	-	-	-	-	-	F
	DF44	roll	V# ; A# ; N# ; G# (one or both sides)	40-240	0,044	T1	DS(T+)	-	-	-	-	-	F
	DF44 GEMINI	roll	V# ; A# ; N# ; G# (one or both sides)	40-240	0,044	T1	DS(T+)	-	-	-	-	-	F
	88R	roll	V# ; A# ; N# ; G# (one or both sides)	40-240	0,044	T1	DS(T+)	-	-	-	-	-	F
4a	DF42	roll	V# ; A# ; N# ; G# (one or both sides)	40-240	0,042	T2	DS(T+)	-	-	-	-	-	F
	DF42 GEMINI	roll	V# ; A# ; N# ; G# (one or both sides)	40-240	0,042	T2	DS(T+)	-	-	-	-	-	F
	84R	roll	V# ; A# ; N# ; G# (one or both sides)	40-240	0,042	T2	DS(T+)	-	-	-	-	-	F

LEGEND	²⁾ Facing	(2) Facing type abbreviation	Novo mesto:22.03.2011
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	
N#	Natron paper	natron paper with glue 70g/m2 – Na // natron paper with PE - Nb	
A#	Aluminium foil	with natron paper and reinforced - Ab or AM2 // with natron paper and PE and reinforced – Ac // with PE and reinforced - Ah	
G#	Glass tissue	black 125g/m2 – Ge // white 200 g/m2 - Ga // white 400 g/m2 - Gb	

¹⁾Products can put in the market under the following trade names: »URSA Glasswool«, »URSA TERRA«, »URSA GEO«, »ESSENTIA« and »365«.

ENCLOSURE No.1

page 2 of 5 to the declaration of conformity No. F/03/11

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Group	Producer 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	V# ; A# ; N# ; G# (one or both sides)	30-240	0,040	T2	DS(T+)	-	-	-	-	-	F
	SF 40	roll	V# ; A# ; N# ; G# (one or both sides)	30-240	0,040	T2	DS(T+)	-	-	-	-	-	F
	TWF1	roll	V# ; A# ; N# ; G# (one or both sides)	30-240	0,040	T2	DS(T+)	-	-	-	-	-	F
	TWF FONO	roll	V# ; A# ; N# ; G# (one or both sides)	30-240	0,040	T2	DS(T+)	-	-	-	-	-	F
	Panda	roll	V# ; A# ; N# ; G# (one or both sides)	30-240	0,040	T2	DS(T+)	-	-	-	-	-	F
	80R	roll	V# ; A# ; N# ; G# (one or both sides)	30-240	0,040	T2	DS(T+)	-	-	-	-	-	F
	FONO 80R	roll	V# ; A# ; N# ; G# (one or both sides)	30-240	0,040	T2	DS(T+)	-	-	-	-	-	F
6b	TWP1	slab	V# ; A# ; N# ; G# (one or both sides)	30-200	0,040	T3	DS(T+)	-	-	-	-	-	F
	FKP 1	slab	V# ; A# ; N# ; G# (one or both sides)	80-200	0,040	T3	DS(T+)	-	-	-	-	-	F
	80P	slab	V# ; A# ; N# ; G# (one or both sides)	30-200	0,040	T3	DS(T+)	-	-	-	-	-	F
7a	DF 39	roll	V# ; A# ; N# ; G# (one or both sides)	40-240	0,039	T2	DS(T+)	-	-	-	-	-	F
	SF 39	roll	V# ; A# ; N# ; G# (one or both sides)	40-240	0,039	T2	DS(T+)	-	-	-	-	-	F
	78R	roll	V# ; A# ; N# ; G# (one or both sides)	40-240	0,039	T2	DS(T+)	-	-	-	-	-	F
7b	TWP 19	slab	V# ; A# ; N# ; G# (one or both sides)	30-200	0,039	T3	DS(T+)	-	-	-	-	-	F
	FKP 19	slab	V# ; A# ; N# ; G# (one or both sides)	80-200	0,039	T3	DS(T+)	-	-	-	-	-	F
	78P	slab	V# ; A# ; N# ; G# (one or both sides)	30-200	0,039	T3	DS(T+)	-	-	-	-	-	F

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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	
N#	Natron paper	natron paper with glue 70g/m2 – Na // natron paper with PE - Nb	
A#	Aluminium foil	with natron paper and reinforced - Ab or AM2 // with natron paper and PE and reinforced – Ac // with PE and reinforced - Ah	
G#	Glass tissue	black 125g/m2 – Ge // white 200 g/m2 - Ga // white 400 g/m2 - Gb	

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8a	DF 38	roll	V# ; A# ; N# ; G# (one or both sides)	40-240	0,038	T2	DS(T+)	-	-	-	-	-	F
	SF 38	roll	V# ; A# ; N# ; G# (one or both sides)	40-240	0,038	T2	DS(T+)	-	-	-	-	-	F
	FONLESS	roll	V# ; A# ; N# ; G# (one or both sides)	40-240	0,038	T2	DS(T+)	-	-	-	-	-	F
	76R	roll	V# ; A# ; N# ; G# (one or both sides)	40-240	0,038	T2	DS(T+)	-	-	-	-	-	F
8b	AKP1	slab	V# ; A# ; N# ; G# (one or both sides)	20-200	0,038	T3	DS(T+)	-	-	-	-	-	F
	FDP1	slab	V# ; A# ; N# ; G# (one or both sides)	40-200	0,038	T3	DS(T+)	-	-	-	-	-	F
	KDP1	slab	V# ; A# ; N# ; G# (one or both sides)	40-200	0,038	T3	DS(T+)	-	-	-	-	-	F
	76P	slab	V# ; A# ; N# ; G# (one or both sides)	40-200	0,038	T3	DS(T+)	-	-	-	-	-	F
9a	DF 37	roll	V# ; A# ; N# ; G# (one or both sides)	25-240	0,037	T2	DS(T+)	-	-	-	-	-	F
	SF 37	roll	V# ; A# ; N# ; G# (one or both sides)	25-240	0,037	T2	DS(T+)	-	-	-	-	-	F
	74R	roll	V# ; A# ; N# ; G# (one or both sides)	25-240	0,037	T2	DS(T+)	-	-	-	-	-	F
9b	AKP 17	slab	V# ; A# ; N# ; G# (one or both sides)	20-200	0,037	T3	DS(T+)	-	-	-	-	-	F
	FDP 17	slab	V# ; A# ; N# ; G# (one or both sides)	30-200	0,037	T3	DS(T+)	-	-	-	-	-	F
11a	DF 35	roll	V# ; A# ; N# ; G# (one or both sides)	25-240	0,035	T2	DS(T+)	-	-	-	-	-	F
	SF 35	roll	V# ; A# ; N# ; G# (one or both sides)	25-240	0,035	T2	DS(T+)	-	-	-	-	-	F
	PLUS 70R	roll	V# ; A# ; N# ; G# (one or both sides)	25-240	0,035	T2	DS(T+)	-	-	-	-	-	F

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N#	Natron paper	natron paper with glue 70g/m2 – Na // natron paper with PE - Nb	
A#	Aluminium foil	with natron paper and reinforced - Ab or AM2 // with natron paper and PE and reinforced – Ac // with PE and reinforced - Ah	
G#	Glass tissue	black 125g/m2 – Ge // white 200 g/m2 - Ga // white 400 g/m2 - Gb	

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11b	TWP 2	slab	V# ; A# ; N# ; G# (one or both sides)	20-200	0,035	T3	DS(T+)	-	-	-	-	-	F
	AKP2	slab	V# ; A# ; N# ; G# (one or both sides)	20-200	0,035	T3	DS(T+)	-	-	-	-	-	F
	FDP2	slab	V# ; A# ; N# ; G# (one or both sides)	30-200	0,035	T3	DS(T+)	-	-	-	-	-	F
	KDP2	slab	V# ; A# ; N# ; G# (one or both sides)	30-200	0,035	T3	DS(T+)	-	-	-	-	-	F
	PLUS 70XL	slab	V# ; A# ; N# ; G# (one or both sides)	30-200	0,035	T3	DS(T+)	-	-	-	-	-	F
	PLUS 70P	slab	V# ; A# ; N# ; G# (one or both sides)	30-200	0,035	T3	DS(T+)	-	-	-	-	-	F
12a	DF 34	roll	V# ; A# ; N# ; G# (one or both sides)	25-240	0,034	T2	DS(T+)	-	-	-	-	-	F
	SF 34	roll	V# ; A# ; N# ; G# (one or both sides)	25-240	0,034	T2	DS(T+)	-	-	-	-	-	F
	PLUS 68R	roll	V# ; A# ; N# ; G# (one or both sides)	25-240	0,034	T2	DS(T+)	-	-	-	-	-	F
12b	AKP 3	slab	V# ; A# ; N# ; G# (one or both sides)	20-200	0,034	T4	DS(T+)	-	-	-	-	-	F
	FDP3	slab	V# ; A# ; N# ; G# (one or both sides)	20-200	0,034	T4	DS(T+)	-	-	-	-	-	F
	PLUS 68XL	slab	V# ; A# ; N# ; G# (one or both sides)	20-200	0,034	T4	DS(T+)	-	-	-	-	-	F
	PLUS 68P	slab	V# ; A# ; N# ; G# (one or both sides)	20-200	0,034	T4	DS(T+)	-	-	-	-	-	F
13b	AKP4	slab	V# ; A# ; N# ; G# (one or both sides)	20-120	0,033	T4	DS(T+)	-	-	-	-	-	F
	AKP4h	slab	V# ; A# ; N# ; G# (one or both sides)	20-120	0,033	T4	DS(T+)	-	-	-	-	-	F
	FDP4	slab	V# ; A# ; N# ; G# (one or both sides)	20-120	0,033	T4	DS(T+)	-	-	-	-	-	F
	66P	slab	V# ; A# ; N# ; G# (one or both sides)	20-120	0,033	T4	DS(T+)	-	-	-	-	-	F

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14a	DF 32	roll	V# ; A# ; N# ; G# (one or both sides)	30-160	0,032	T2	DS(T+)	-	-	-	-	-	F
	DF 32h	roll	V# ; A# ; N# ; G# (one or both sides)	30-160	0,032	T2	DS(T+)	-	-	-	-	-	F
	SF 32	roll	V# ; A# ; N# ; G# (one or both sides)	30-160	0,032	T2	DS(T+)	-	-	-	-	-	F
	SF 32h	roll	V# ; A# ; N# ; G# (one or both sides)	30-160	0,032	T2	DS(T+)	-	-	-	-	-	F
	64R	roll	V# ; A# ; N# ; G# (one or both sides)	30-160	0,032	T2	DS(T+)	-	-	-	-	-	F
	64Rh	roll	V# ; A# ; N# ; G# (one or both sides)	30-160	0,032	T2	DS(T+)	-	-	-	-	-	F
14b	TFP	slab	V# ; A# ; N# ; G# (one or both sides)	20-40	0,032	T6	DS(T+)	-	-	SD*	CP5	-	F
	TSP	slab	V# ; A# ; N# ; G# (one or both sides)	20-50	0,032	T6	DS(T+)	-	-	SD*	CP5	-	F
	SOL 64P	slab	V# ; A# ; N# ; G# (one or both sides)	20-50	0,032	T6	DS(T+)	-	-	SD*	CP5	-	F
	TEP	slab	V# ; A# ; N# ; G# (one or both sides)	15-40	0,032	T6	DS(T+)	-	-	SD*	CP3	-	F
	KDP 5	slab	V# ; A# ; N# ; G# (one or both sides)	30-100	0,032	T4	DS(Th)	-	-	-	-	-	F
	FDP 5	slab	V# ; A# ; N# ; G# (one or both sides)	30-120	0,032	T4	DS(T+)	-	-	-	-	-	F
	62P	slab	V# ; A# ; N# ; G# (one or both sides)	30-120	0,032	T4	DS(T+)	-	-	-	-	-	F
	AKP5	slab	V# ; A# ; N# ; G# (one or both sides)	30-120	0,032	T4	DS(T+)	-	-	-	-	-	F

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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