

Notified body 0672

## EC-CERTIFICATE OF CONFORMITY

0672 – CPD – I 14.2.01.U

In compliance with the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive - CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction product

**Factory made mineral wool (MW)  
to annex 1, page 1 to 4, 31.05.2010  
used for the thermal insulation of buildings**

placed on the market by

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

and produced in the factory

**8000 Novo mesto (factory U)  
SLOVENIEN**

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body - **0672 Materialprüfungsanstalt Universität Stuttgart MPA Stuttgart, Otto-Graf-Institut (FMPA) Pfaffenwaldring 4 70569 Stuttgart** - has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of conformity and the performances described in the Annex ZA of the standard

**DIN EN 13162 : 2009**

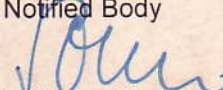
were applied and that the product fulfils all the prescribed requirements.

This certificate was first issued on 29.05.2008 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.

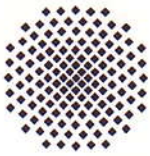
Stuttgart, 31.05.2010



Materialprüfungsanstalt  
Universität Stuttgart  
Department – Thermal insulation products –  
Notified Body

  
(Akad. Oberrat Dr. Popp)  
Divisional Director

In case of doubt, the German wording is valid.



Notified body 0672

**Annex 1 Page 1**  
**for EC-CERTIFICATE OF CONFORMITY**  
**0672 – CPD – I 14.2.01.U**  
**factory made mineral wool (MW)**  
**URSA Slovenija, d.o.o.**  
**8000 Novo Mesto SLOVENIEN (factory U)**

(density 10 kg/m<sup>3</sup> to 90 kg/m<sup>3</sup>)

Group	producer designation <sup>1)</sup>	form	facing <sup>2)</sup>	nominal thickness mm	declared thermal conductivity $\lambda_D$	thickness tolerance class	designation EN 13162					reaction to fire class	
							dimensional stability	water absorption	WDD	dyn. stiffness	compressibility		air flow resistance
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
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

<sup>1)</sup> Products can put in the market under the following trade names: „URSA Glasswool“, „ESSENTIA“, „URSA TERRA“ and „365“

<sup>2)</sup> Glasvlies white 18 g Va Glasvlies black 60 g Vf  
 Glasvlies white 70 g Vv Glasvlies black armiert 60 g Vr  
 Glasvlies yellow 45 g Vk

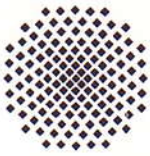
Stuttgart, 31.05.2010



Materialprüfungsanstalt  
Universität Stuttgart  
Department – Thermal insulation products –  
Notified Body

*(Signature)*  
(Akad. Oberrat Dr. Popp)  
Divisional Director

In case of doubt, the German wording is valid.



Notified body 0672

**Annex 1 Page 2**  
**for EC-CERTIFICATE OF CONFORMITY**  
**0672 – CPD – I 14.2.01.U**  
**factory made mineral wool (MW)**  
**URSA Slovenija, d.o.o.**  
**8000 Novo Mesto SLOVENIEN (factory U)**  
**(density 10 kg/m<sup>3</sup> to 90 kg/m<sup>3</sup>)**

	production designation <sup>1)</sup>	form	facing <sup>2)</sup>	nominal thickness mm	declared thermal conductivity $\lambda_D$	thickness tolerance class	designation EN 13162						reaction to fire class
							dimensional stability	water absorption	WDD	dyn. stiffness	compressibility	air flow resistance	
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
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
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
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

<sup>1)</sup> Products can put in the market under the following trade names: „URSA Glasswool“, „ESSENTIA“, „URSA TERRA“ and „365“

<sup>2)</sup> Glasvlies white 18 g Va Glasvlies black 60 g Vf  
Glasvlies white 70 g Vv Glasvlies black armiert 60 g Vr  
Glasvlies yellow 45 g Vk

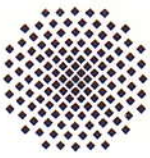
Stuttgart, 31.05.2010



Materialprüfungsanstalt  
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**Annex 1 Page 3**  
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**0672 – CPD – I 14.2.01.U**  
**factory made mineral wool (MW)**  
**URSA Slovenija, d.o.o.**  
**8000 Novo Mesto SLOVENIEN (factory U)**

(density 10 kg/m<sup>3</sup> to 90 kg/m<sup>3</sup>)

	producer designation <sup>1)</sup>	form	facing <sup>2)</sup>	nominal thickness mm	declared thermal conductivity $\lambda_D$	thickness tolerance class	dimensional stability	designation EN 13162					reaction to fire class
								water absorption	WDD	dyn stiffness	compressibility	air flow resistance	
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
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

<sup>1)</sup> Products can put in the market under the following trade names: „URSA Glasswool“, „ESSENTIA“, „URSA TERRA“ and „365“

<sup>2)</sup> Glasvlies white 18 g Va Glasvlies black 60 g Vf  
Glasvlies white 70 g Vv Glasvlies black armiert 60 g Vr  
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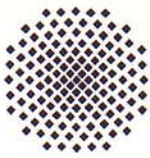
Stuttgart, 31.05.2010



Materialprüfungsanstalt  
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**Annex 1 Page 4**  
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**factory made mineral wool (MW)**  
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(density 10 kg/m<sup>3</sup> to 90 kg/m<sup>3</sup>)

	producer designation <sup>1)</sup>	form	facing <sup>2)</sup>	nominal thickness mm	declared thermal conductivity $\lambda_D$	thickness tolerance class	designation EN 13162						reaction to fire class
							dimensional stability	water absorption	WDD	dyn. stiffness	compressibility	air flow resistance	
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
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 <sup>3)</sup>	slab	-	30-100	0,032	T4	DS(Th)	WL(P)	MU1	-	-	AFr5	A1
	FDP5/V <sup>3)</sup>	slab	Vv	30-100	0,032	T4	DS(Th)	WL(P)	MU1	-	-	AFr5	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

\* Dynamic stiffness 13<d≤15 20; 15<d≤25 10; d>25 7

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<sup>2)</sup> Glasvlies white 18 g Va Glasvlies black 60 g Vf  
Glasvlies white 70 g Vv Glasvlies black armiert 60 g Vr  
Glasvlies yellow 45 g Vk

<sup>3)</sup> tensile strength perpendicular to faces / compressive strength TR1 / CS(10)0,5

Stuttgart, 31.05.2010



Materialprüfungsanstalt  
Universität Stuttgart  
Department – Thermal insulation products –  
Notified Body

*[Signature]*  
(Akad. Oberrat Dr. Popp)  
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