



irma inštitut za  
raziskavo materialov  
in aplikacije d.o.o.

**Notified body No. 1374**

**CERTIFICATE  
OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL  
1374-CPR-116-L**

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

**PRECAST CONCRETE PRODUCTS – LINEAR STRUCTURAL  
ELEMENTS,  
PRECAST CONCRETE PRODUCTS – FOUNDATION ELEMENTS  
and  
PRECAST CONCRETE PRODUCTS – WALL ELEMENTS,**  
for description of the construction products refer to pages 2 of 3 and 3 of 3,  
produced by

**Širbegović inženjering d.o.o.**  
**Branilaca grada bb, BA-75320 Gračanica**  
and produced in the manufacturing plant  
**Branilaca grada bb, BA-75320 Gračanica**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards

**EN 13225:2013, EN 14991:2007 and EN 14992:2007+A1:2012**

under system 2+ for the performances set out in this certificate are applied and that the factory production control fulfils all the prescribed requirements for these performances.

This certificate was first issued on 20.04.2015 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standards EN 13225:2013, EN 14991:2007 and EN 14992:2007+A1:2012, used to assess the performances of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the factory production control certification body.

Ljubljana, 20.04.2015

Dr. Jakob Šušteršič, univ.dipl.inž.grad.  
head of certification service



OB 8.1-15-L-a, valid from 01.04.2014

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# Certificate of conformity of the factory production control No. 1374-CPR-116-L

## Precast concrete products – Linear structural elements according to EN 13225:2013

<b>Temeljne vezne grede</b>		<b>Fundation conection beams</b>	
1	temeljna vezna greda 60 / Lmax 8 m - VG 60	fundation conection beam 60 / Lmax 8 m - VG 60	
2	temeljna vezna greda 80 / Lmax 10 m - VG 80	fundation conection beam80 / Lmax 10 m - VG 80	
3	temeljna vezna greda 100 / Lmax 12 m - VG 100	fundation conection beam100 / Lmax 12 m - VG 100	
4	temeljna vezna greda 120 / Lmax 14 m - VC 120	fundation conection beam120 / Lmax 14 m -VG 120	
<b>Stubovi</b>		<b>Columns</b>	
5	stub 50 X 50 / Lmax 10 m - S 50/50	column 50 X 50 / Lmax 10 m - S 50/50	
6	stub 60 X 60 / Lmax 13 m - S 60/60	column 60 X 60 / Lmax 13 m - S 60/60	
7	stub 70 X 70 / Lmax 16 m - S 70/70	column70 X 70 / Lmax 16 m - S 70/70	
8	stub 80 X 80 / Lmax 24 m - S 80/80	column80 X 80 / Lmax 24 m - S 80/80	
9	fasadni stub 30 X 50 / Lmax 10 m – S 30/50	Façade column 30 X 50 / Lmax 10 m - S 30/50	
<b>Meduspratne grede</b>		<b>Floor beams</b>	
10	TK greda 50 / Lmax 10 m - TK-50	TK beam 50 / Lmax 10 m - TK-50	
11	TK greda 70 / Lmax 12 m - TK 70	TK beam 70 / Lmax 12 m - TK 70	
12	TL greda 50 / Lmax 10 m - TL-50	TL beam 50 / Lmax 10 m - TL-50	
13	TL greda 70 / Lmax 14 m - TL-70	TL beam 70 / Lmax 14 m -TL-70	
14	obrnuta T greda / Lmax 12 m - OT	inverted T beam / Lmax 12 m - OT	
15	obrnuta L greda / Lmax 12 m - OL	inverted L beam / Lmax 12 m - OL	
<b>T - grede</b>		<b>T – beams</b>	
16	T greda 60 / Lmax 8 m - T-60	T beam 60 / Lmax 8 m - T-60	
17	T greda 80 / Lmax 20 m - T-80	T beam 80 / Lmax 20 m - T-80	
18	T greda 100 / Lmax 22 m - T-100	T beam 100 / Lmax 22 m - T-100	
19	T greda 120 / Lmax 17 m - T-120	T beam 120 / Lmax 17 m - T-120	
20	T greda 140 / Lmax 24 m - T-140	T beam 140 / Lmax 24 m - T-140	
<b>I - nosači</b>		<b>I – beams</b>	
21	I nosač 130 / Lmax 18 m - I-130	I beam 130 / Lmax 18 m - I-130	
22	I nosač 160 / Lmax 30 m - I-160	I beam 160 / Lmax 30 m - I-160	
<b>A - nosači</b>		<b>A – beams</b>	
23	A nosač A-12 / Lmax 12 m - A-12	A beam A-12 / Lmax 12 m - A-12	
24	A nosač A-14 / Lmax 14 m - A-14	A beam A-14 / Lmax 14 m - A-14	
25	A nosač A-16 / Lmax 16 m - A-16	A beam A-16 / Lmax 16 m - A-16	
26	A nosač A-18 / Lmax 18 m - A-18	A beam A-18 / Lmax 18 m - A-18	
27	A nosač A-20 / Lmax 20 m - A-20	A beam A-20 / Lmax 20 m - A-20	
28	A nosač A-22 / Lmax 22 m - A-22	A beam A-22 / Lmax 22 m - A-22	
29	A nosač A-24 / Lmax 24 m - A-24	A beam A-24 / Lmax 24 m - A-24	
30	A nosač A-26 / Lmax 26 m - A-26	A beam A-26 / Lmax 26 m - A-26	
31	A nosač A-32 / Lmax 32 m - A-32	A beam A-32 / Lmax 32 m - A-32	



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### Precast concrete products – Linear structural elements according to EN 13225:2013

Sekundarna krovna konstrukcija		Secondary roof structure	
32	Rožnjača R-45 / Lmax 10 m - R-45		secondary roof beam R-45/Lmax 10 m - R-45
33	Rožnjača R-63 / Lmax 12 m - R-63		secondary roof beam R-63/Lmax 12 m - R-63
34	Rožnjača R-50 / Lmax 13 m - R-50		secondary roof beam R-50/Lmax 13 m - R-50
35	Rožnjača R-80 / Lmax 15 m - R-80		secondary roof beam R-80/Lmax 15 m - R-80
36	Rožnjača R-100 / Lmax 16 m - R-100		secondary roof beam R-100/Lmax 16 m - R-100
Olučne grede		Beams with troughs	
37	olučna greda – korito/Lmax 6,25 m - OK-50		beam with trough/Lmax 6,25 m - OK-50
38	krovna olučna greda T-80/Lmax 12 m - OG T-80		roof beam with trough T-80/Lmax 12 m - OG T-80
39	krovna olučna greda T-100/Lmax 14 m - OG T-100		roof beam with trough T-100/Lmax 14 m - OG T-100

### Precast concrete products – Foundation elements according to EN 14991:2007

1	temeljna stopa - T	foundation footing - T
2	temeljna čašica za 50/60 – 138 X 138 - TČ 60	foundation socket for 50/60 – 138 X 138 - TČ 60
3	temeljna čašica za 70/80 – 150 X 150 - TČ 80	foundation socket for 70/80 – 150 X 150 - TČ 80
4	dupla temeljna čašica - DT	double foundation socket - DT
5	međutemelj - MT	foundation without footing - MT
	EN 14991:2007 (Prilog B, slika B2)	EN 14991:2007 (Annex B, figure B2)
6	temeljne stope sa čašicom	foundation footing with socket
	EN 14991:2007 (Prilog B, slika B3- a, b, c i d)	EN 14991:2007 (Annex B, figure B3- a, b, c i d)
7	stub sa temeljnom stopom	column with foundation footing
	EN 14991:2007 (Prilog B, slika B5)	EN 14991:2007 (Annex B, figure B5)

### Precast concrete products – Wall elements according to EN 14992:2007+A1:2012

1	fasada sa termičkim mostom / Lmax 15 m - F1	facade with thermal bridge / Lmax 15 m - F1
2	fasada bez termičkog mosta / Lmax 12 m - F2	facade without thermal bridge / Lmax 12 m - F2

Ljubljana, 20.04.2015

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