

TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.
Technical and Test Institute for Construction Prague

Accredited Testing Laboratory, Authorized Body, Certification Body, Notified Body, Inspection body

Authorised Body 204 acc. to the decision of ÚNMZ no. 11/2013
Affiliate 0100 – Prague
issues

in compliance with provisions of the act. no. 22/1997 Coll., on technical requirements on product and on change and amendment of some laws, as subsequently amended, and § 2 and 3 of the Government Decree no. 163/2002 Coll. as amended by the Government Decree no. 312/2005 Coll.

CONSTRUCTIONAL TECHNICAL CERTIFICATE

No. 010-033902

for the product

Veneer Elements from Concrete

of type / variant: **Veneer Elements from Concrete with Various Decors**

Certificate Holder:

Wild Stone International s.r.o.

Company ID: 26723174
Address: Podhořská 806/31, 184 00 Prague 8
Manufacturer: Wild Stone International s.r.o.
Company ID: 26723174
Address: Podhořská 806/31, 184 00 Prague 8
Production plant: Wild Stone International s.r.o.
Address: Politických vězňů 1337, 274 44 Slaný
Job No.: Z 010 14 0332

With this constructional technical certificate, the authorised Body 204 certifies data on the technical properties of the product, their level and methods of their determination in relation to basic requirements specified in the Annex no. 1 to the Government Decree no. 163/2002 Coll. as amended by the Government Decree no. 312/2005 Coll.

The certificate is a technical specification designed to assess the compliance of the product.

Number of pages of the constructional technical certificate, incl. title page: 3

Author of the constructional technical certificate:

signature

RNDr. Vojtěch Hötzel
Head Assessor

The certificate is valid to: 25th September 2017

Person responsible for correctness of the constructional technical certificate:

Stamp of authorised body 204

signature

Prague, on the 25th September 2014

Ing. Iveta Jiroutová
Deputy Head of Authorised Body 204

Notice: without written approval of the head of the authorized person 204, the constructional technical certificate can be reproduced only as a whole.

1. Description of the product and determination of its use method in construction:

The Company's veneer elements from concrete of various decors include a number of veneer elements for external and internal use, which are delivered under various trade names. The veneer elements from concrete of various decors are produced from mixture of cement, aggregates, water and various additives and ingredients. They are produced in different variants imitating structure of the natural stone and bricking. The elements are designed to non-structural use and can be applied to inner and outer lining of facades, walls, fences, pillar, beams, terraces, load-bearing walls. They are not suitable for use in environments, where they could be damaged or deteriorated due to presence of aggressive agents or chemical substances (environments with strong alkalis or acids).

2. Specification of monitored properties and their assessment method

Table 1

No.	Monitored property	Testing method	No. of samples		Required (P) / declared level (D)
			C	D	
1	Volumetric weight	ČSN EN 14617-1	6	-	D: 1600 ±200 kg.m ⁻³
2	Absorption capacity	ČSN EN 14617-1	6	-	D: max. 5 %
3	Bending tensile strength [MPa]	ČSN EN 14617-2	6	-	D: min. 3 MPa
4	Frost resistance in tensile bend [%]	ČSN EN 14617-5		-	D: min. 75 % after 25 cycles
5	Thermal shock resistance	ČSN EN 14617-6	-	-	Non specified
6	Linear temperature expansion	ČSN EN 14617-11	-	-	Non specified
7	Dimensions, shapes, deviations [mm] - Length - Width - Height	ČSN EN 14617-16	10	-	D: ±5 mm ±5 mm ±5 mm
8	Determination of fixing resistance (breaking load in hole for the pin)	ČSN EN 14617-8	-	-	Non specified
9	Content of natural radio-nuclides - Weight activity Ra ²²⁶ [Bq.kg ⁻¹] - Weight activity index [-]	Methodological procedure SÚJB 2009	1	-	P: Max. 150 Max. 0,5
10	Reaction to flame ¹⁾	ČSN EN 13501-1+A1	1	-	A1 without additional testing
11	Determination of the VOC emissions	ČSN EN 16000-9 ČSN EN 16000-9 Special workplace testing method	-	-	Non specified

Note: C - certification of the product (§5, 5a, 6, 10); T – verification of compliance of product type (§7); D – surveillance of the certified product (§5, 10).

¹⁾ Acc. to the Commission decision no. 96/603/EC as subsequently amended and ČSN 73 0810+Z1, Annex A, tab. A.1 – "A1" class of reaction to flame without additional testing.

3. Ensuring of the production control system

Requirements to the production control system at the manufacturer are specified in Annex 3 to the Government Decree no. 163/2002 Coll. as amended by the Government Decree no. 312/2005 Coll.

4. Basic documents submitted by the applicant

- Catalogue and technical data sheets
- Documentation related to the providing of the production control system

5. Summary of the technical regulations, standards and other documents used

- Act no. 22/1997 Coll. in technical requirements to products, as subsequently amended
- The Government Decree no. 163/2002 Coll. as amended by the Government Decree 312/2005 Coll. on determination of technical requirements to listed constructional products, as subsequently amended
- Decree no. 307/2002 Coll. on radiation protection, as subsequently amended
- ČSN EN 14617-1:2013 Artificial stone – Testing Methods – Part 1: Determination of volumetric weight and water absorption capacity
- ČSN EN 14617-2:2008 Artificial stone – Testing Methods – Part 2: Determination of bending strength
- ČSN EN 14617-16:2005 Artificial stone – Testing Methods – Part 16: Determination of dimensions, geometrical properties and surface quality of the thin plates
- TN 11.04.13 Technical manuals. Veneer elements, plates, profiles from artificial stone

6. Verification tests

No verification tests have been performed for purposes of the issuing of this constructional technical certificate.

7. Additional requirements for the compliance assessment

The product is classified to the annex no. 2, group 11_04 acc. to the Government Decree no. 163/2002 Coll. as amended by the Government Decree 312/2005 Coll., and specified compliance assessment method corresponds to § 7 of the above-mentioned decree. There is no surveillance of the certified products.