



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

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**Authorised Body 204 pursuant to ÚNMZ Decision  
No. 11/2013  
Branch 0200 – České Budějovice**

hereby issues this certificate

pursuant to the provisions of Act No. 22/1997 Coll., on technical requirements for products and on amendment and supplementing of certain other acts, as amended, and Sections 2 and 3 of Government Regulation No. 163/2002 Coll., as amended by Government Regulation No. 312/2005 Coll.

**CONSTRUCTION TECHNICAL CERTIFICATE**

No. 020-031511

for the product:

**Cement grout for façade brickwork**

type/variant: **Brick Mix SH**

applicant:

**Brickland s.r.o.**

ID No.: 25234765  
address: Nepomucká 208 326 00 Plzeň  
manufacturer: Brickland s.r.o.  
address: Nepomucká 208, 326 00 Plzeň  
plant: 1402007  
Order: Z 020 14 0267

Authorised body 2014 hereby based on this technical certificate certifies the details about the technical properties of the product, their level and the procedures for determining them in relation to the basic requirements specified in Annexe No. 1 of Government Regulation No. 163/2002 Coll., as amended by Government Regulation No. 312/2005 Coll.

This certificate is a technical specification intended for evaluation of the compliance of the specified product. Number of pages of the technical certificate, including the title page: 3

Prepared by:

*[illegible signature]*  
Ing. Dana Pilařová  
Head Evaluator

Valid until: 31 July 2017

The person responsible for ensuring the accuracy hereof is:

Stamp of Authorised Body 2004

Stamp: [Authorised Body 204, Technical and Testing Construction  
Institute Prague (ÚNMZ)]

České Budějovice, 09 July 2014

*[illegible signature]*  
Ing. Milan Pálka  
Assistant Manager of Authorised Body 204

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- 1. Description of the product and definition of ways of using it in construction:** Brick Mix SH is cement grout intended for façade brickwork. The grout fulfils the requirements of class CG2 W under ČSN EN 13888 – improved cement grout with an added characteristic, reduced water penetrability.

**2. Definition of monitored properties and evaluation method Table 1:**

	Monitored property	Testing approach	No. of samples		required (P) / declared (D) level
			C/T	D	
1	Tensile strength	ČSN EN 12808-3	1*)	1	P: $\geq 2.5$ MPa
2	Tensile strength after freezing/thawing cycles	ČSN EN 12808-3	1	1	D: $\geq 2.5$ MPa
3	Strength in pressure	ČSN EN 12808-3	1	1	P: $\geq 15$ MPa
4	Strength in pressure after freezing/thawing cycles	CSN EN 12808-3	1	1	P: $\geq 15$ MPa
5	Contraction	ČSN EN 12808-4	1	1	P: $\leq 3$ mm/m
6	Water absorption after 30 min.	ČSN EN 12808-5	1	1	P: $\leq 2$ g
7	Water absorption after 240 min.	ČSN EN 12808-5	1	1	P: $\leq 5$ g
8	Content of natural radionuclides	method SÚJB	1	-	P: Decree of SÚJB No. 499/2005 Coll., as amended
9	Setting content of Cr <sup>6+</sup>	ČSN EN 196-10	1	-	Not conducted if the applicant proves fulfilment of the requirements of Regulation (EC) No. 1907/2006 for used cement (for products containing cement)

Notes regarding Table 1:

C – product certification; T – verification of conformity of product type; D – supervision over certified product

\*) for the set of evaluated tests, an original non-breached package is collected with a minimum content of 15 kg

In view of the character of the products and the methods of using them in construction, their resistance against abrasion and against the effects of chemicals, specified in technical manual 05.11.06b, was not assessed.

**3. Ensuring production management system**

The requirements for the PMS are specified in Annexe No. 3 to Government Regulation No. 163/2002 Coll., as amended by Government Regulation No. 312/2005 Coll.

**4. Applicant's submitted documentation**

- Technical and safety certificates.

## 5. Overview of used technical regulations, technical standards and other documents

- ČSN EN 12808-3 Grouts and adhesives for ceramic tiling. Part 3 – Defining tensile strength and strength under pressure.
- ČSN EN 12808-4 Grouts and adhesives for ceramic tiling. Part 4 – Defining contraction.
- ČSN EN 12808-5 Grouts and adhesives for ceramic tiling. Part 5 – Defining water absorption.
- ČSN EN 13888 Grouts and adhesives for ceramic tiling. Definitions and specifications.
- ČSN EN 196-10 Methods of testing cement – Part 10: Setting content in water soluble chromium (Cr6+) in cement.
- TN 05.11.06b Grout for tiling and paving.
- Decree of the State Nuclear Safety Authority (SÚJB) regarding radiation protection – No. 499/2005 Coll., as amended.

## 6. Verification tests

Verification tests were performed for issuing the construction technical certificate.

## 7. Clarifying requirements for assessing compliance

The product is included in Annexe 2, Group 05.11b pursuant to Government Regulation No. 163/2002 Coll., as amended by Government Regulation No. 312/2005 Coll., and the prescribed method of evaluating compliance corresponds to Section 7 of that regulation. Based on the applicant's request and in accordance with Section 10, evaluation of compliance will be conducted pursuant to Section 5. The applicant shall ensure the system of product quality control in accordance with the requirements of letter c), paragraph 2, Section 5 of the specified regulation.

Supervision is performed once every 12 months.