



® TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.

Technical and Test Institute for Construction Prague, SOE

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Authorized Body 204
empowered by the Decision of COSMT No 5/2017
Branch 0200 – České Budějovice
issues

in accordance with the enactment of the Law No. 22/1997 Coll. on technical requirements for products and changes of and amendments to some laws as amended, and § 2 and § 3 of the Government Decree No. 163/2002 Coll. as amended by the Government Decree No. 312/2005 Coll. and by the Government Decree No. 215/2016 Coll.

National Technical Approval

No 020-047286

construction product:

Products for protective coatings and coatings of mineral substrates

type/variant: THRcoating ALPHA Construction

manufacturer:

ALPHA CZECH s.r.o.

IIno: 09359311
address: Pražákova 1008/69 Štýřice, 639 00 Brno
plant: 23-020-02
order: Z020 22 0329

Authorized Body 204 attests by this National Technical Approval data about technical performance of the product in relation to its essential characteristics and methods of their tests in relation to the essential requirements listed in Annex 1 of Government Decree No. 163/2002 Coll. as amended by the Government Decree No. 312/2005 Coll. and by the Government Decree No. 215/2016 Coll.

National Technical Approval is the technical specification designed for conformity assessment of the product.

Number of pages of National Technical Approval incl. the cover page: 3

The person taking overall responsibility for the content of this Approval:


Ing. Dana Pilařová
Chief Assessor

The Approval is valid till: 28. February

The person taking responsibility for correctness of this Approval:


Stamp of the Authorized Body 204

České Budějovice, February 1, 2023


Ing. Milan Pálka
Deputy Manager of the Authorized Body 204

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1. Description of the product and its intended use in a building:

THRcoating ALPHA Construction is a reflective decorative protective coating designed for the final surface treatment of mineral substrates in interiors and exteriors of buildings .

2. Product characteristics and methods their assessment:

Tab. 1:

Č.	Product characteristics	Test method	Numer of samples ¹⁾		Required (P)/ declared performance (D)
			C	D	
1	Adhesion to the substrate	ČSN 73 2577 ČSN EN 1542 ²⁾	1	1	D: ≥ 0,8 MPa
2	Frost resistance - adhesion to the substrate after 15 freeze cycles	ČSN 73 2579	1	1	D: ≥ 0,8 MPa
3	Water vapour permeability - equivalent diffusion thickness sd	ČSN EN ISO 7783	1	1	D: 0,14 – 1,4 m (class V ₂ - medium permeability)
4	Water penetration rate Water permeability degree w	ČSN EN 1062-3	1	1	D: < 0,1 kg/(m ² .h ^{0,5}) (Class W ₃ - low permeability)
5	Emissivity	Profess. workplace test method	1	1	D: ≤ 95 %
6	Health safety - VOC emissions	Hygienic regulations ČSN EN ISO 16000-9, -10, -11	1	-	D: positive evaluation

Note: C – certification of product; D – surveillance

¹⁾.....one intact original package shall be taken for test set 1 to 6

²⁾.....one of the following methods shall be selected

The selection of parameters for random checks of product properties during surveillance shall be made by the AO depending on the results of tests and the results of surveillance of the proper functioning of the product quality control system. At least 2 critical properties shall be tested. In view of the nature of the products and the way they are used in the construction, the other properties listed in Technical Instruction 05.14.01 have not been assessed.

3. Factory production control

The general requirements for the manufacturer's production management system are set out in Annex 3 to Government Regulation No 163/2002 Coll., as amended

4. List of documentation provided by the manufacturer:

Technical and safety data sheets.

5. List of the used technical regulations, technical specifications and other documentation:

- ČSN 73 2577 Test for surface finish adhesion of building structures to the base.
- ČSN 73 2579 Test for frost resistance of surface finish of building structures.
- ČSN EN 1062-1 Paints and varnishes - Coating materials and coating systems for exterior masonry and concrete - Part 1: Classification.
- ČSN EN 1062-3 Paints and varnishes - Coating materials and coating systems for exterior masonry and concrete - Part 3: Determination of liquid water permeability.
- ČSN EN ISO 7783 Paints and varnishes - Determination of water-vapour transmission properties - Cup method.



- ČSN EN ISO 16000-9 Indoor air - Part 9: Determination of the emission of volatile organic compound from building products and furnishing - Emission test chamber method.
- ČSN EN ISO 16000-10 Indoor air - Part 10: Determination of the emission of volatile organic compound from building products and furnishing - Emission test cell method.
- ČSN EN ISO 16000-11 Indoor air - Part 11: Determination of the emission of volatile organic compound from building products and furnishing - Sampling, storage of samples and preparation of test specimens.
- Act No. 258/2000 Coll., on the protection of public health and amendment of certain related acts.
- TI 05.14.01 Products for protective coatings and coatings of mineral substrates, concrete and masonry.
- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93, Commission Regulation (EC) No 1488/94, Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006, as amended.

6. Verification tests:

Verification tests were not carried out for the issue of the building technical certificate.

7. Detailed requirements for conformity assessment:

- The product is included in Annex 2, group 05.14 of the Government Decree No 163/2002 Coll., as amended by the Government Decree No 312/2005 Coll. and by the Government Decree No 215/2016 Coll., and the prescribed conformity assessment system complies with § 5 of the above mentioned Decree. The manufacturer ensures a factory production control accordance with the requirements of point c), Art. 2, § 5 of the said Decree.
- Surveillance of certified product will be performed once a year.

