



® 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 0100 – Prague

issues

In compliance with Government Decree No. 22/1997 Coll., which specifies technical requirements for selected construction products, changes and amendment, as subsequently amended, and § 2 a 3 Government Decree No. 163/2002 Coll., as amended by Government Decree No. 312/2005 Coll. and Government Decree No. 215/2016 Coll.

NATIONAL TECHNICAL APPROVAL

No. 010-037852

construction product:

Products for protective coatings and coatings of the mineral substrates and masonry

type / variation: FUNKČNÍ NÁTĚR (FN-1), FUNKČNÍ NÁTĚR (FN-2), FUNKČNÍ NÁTĚR (FN-3), PROTECTAM FN1®, PROTECTAM FN2®, PROTECTAM FN3®

Manufacturer:

Advanced Materials - JTJ s.r.o.

INo: 26763842
address: Kamenné Žehrovice 23, 27301 Kladno
plant: Kamenné Žehrovice 570, 27301 Kladno
order: Z010080146

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

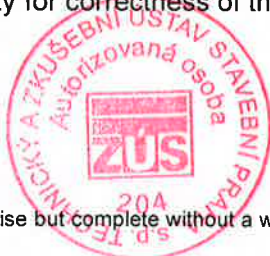
The person taking overall responsibility for the content of this Approval:


Ing. Zdeněk Kočí
Head Assessor

The Approval is valid till: 31 March 2020

The person taking responsibility for correctness of this Approval:

Stamp of the Authorized Body 204
Prague, 24 March 2017




Ing. Iveta Jiroutová
Deputy Manager of the Authorized Body 204

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

Products FUNKČNÍ NÁTĚR (FN-1), FUNKČNÍ NÁTĚR (FN-2), FUNKČNÍ NÁTĚR (FN-3), PROTECTAM FN1®, PROTECTAM FN2®, PROTECTAM FN3® are top coating, active, photocatalytic layers on basis of titanium dioxide, without solvent. Products are possible to use them as sanitary photoactive paints which are suitable for a regular type of renders, masonry or gypsum plasterboards, interior and exterior coatings of buildings. The layer cleans air and removes organic pollutants including reduction of viruses and bacteria as a result of photoactive oxidation effect. The coating is white. The layer is active immediately after an incidence of a daylight or an artificial light containing UV spectrum.

Plant:

Advanced Materials - JTJ s.r.o., Kamenné Žehrovice 570, 27301 Kladno

2. Product characteristics and methods their assessment:

Tab. 1:

No.	Product characteristic	Test method	Number of samples		Required (R)/ declared level (D)
			C	S	
1	Surface finish adhesion	ČSN 73 2577 ¹⁾ ČSN EN 1542 ¹⁾	1	1	D: $\geq 1,0$ MPa
2	Frost resistance – Surface finish adhesion – 25 freezing cycles	ČSN 73 2579 ČSN 73 2577	1	1	Without surface disruption D: $\geq 1,0$ MPa
3	Health safety	ČSN EN ISO 16000-10 ¹⁾ ČSN EN ISO 16000-11 ¹⁾ Method of specialized technical workplace ¹⁾	1	-	R: Sanitary and health safety – products intended to interior ³⁾
4	Reduction of viruses and bacteria	Method of SZÚ	1	1	P: complying ³⁾

¹⁾ Selection of one of marked test method.

²⁾ Authorized body will check the product characteristics for random control of product properties during the surveillance depending on the surveillance results and factory production control. At least 1 product characteristic is tested for products intended to the interior and minimally 2 product characteristics are tested for products intended to the exterior.

³⁾ Relevant for products intended to interior.

Note: Other product characteristics stated in technical specification TN 05.14.01 are not relevant.

3. Factory product control:

- Requirements for the factory production control are laid down in Annex No. 3 of the Government Decree No. 163/2002 Coll. as subsequently amended.

4. List of documentation provided by the manufacturer:

- Technical and safety data sheets of products.



- Technical specifications of manufacturing of functional paints – AMJTJ1-01, AMJTJ1-02 and AMJTJ FN3.

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 EN 1542	Products and systems for the protection and repair of concrete structures - Test methods - Measurement of bond strength by pull-off
ČSN 73 2579	Test for frost resistance of surface finish of building structures
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
TN 05.14.01	Protective paints and coatings for mineral elements and masonry.

Act No. 258/200 Coll., of the public health protection and of the amendment of certain related acts, as subsequently amended.

Act No. 350/2011 Coll. of chemical substances and mixtures, and of the amendment of certain acts, as subsequently amended.

Government Decree No. 163/2002 Coll., laying down technical requirements for construction products, as subsequently amended.

Regulation No. 6/2003 Coll., which lays down hygienic limits of chemical, physical and biological indicators for interior of living rooms in some buildings.

Regulation (EC) No.1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No.1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, Annex XVII restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles, as subsequently amended.

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 Directive 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as subsequently amended.

6. Verification tests:

- No verification tests were performed for the purposes of issuing of this National technical approval.

7. Detailed requirements for conformity assessment:

- Product meets the requirements of the Annex No. 2, group 05, consecutive number 14 of the Government Decree No. 163/2002 Coll., as subsequently amended, and the prescribed conformity assessment system complies with § 5 of the above mentioned Decree. The manufacturer ensures 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.

