



**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. 05/2017  
Branch 0100 – Prague

# REPORT

of the product certification

according to the Article 5 of the Government Decree No. 163/2002 Coll., as amended by Government Decree No. 312/2005 Coll. and by the Government Decree No. 215/2016 Coll.

No. 010-042166

Trade name:

Protective paints and coatings for timber members  
type / variation: **FN NANO® WOOD**

Manufacturer:

**Advanced Materials - JTJ s.r.o.**

INo: 26763842  
Address: Kamenné Žehrovice 23, 27301 Kladno  
Plant: Kamenné Žehrovice 570, 27301 Kladno  
Order: Z010190227

Number of pages including the front page: 4    Number of Annexes: -

Stamp of the Authorized Body 204



Prague, 20 January 2020

Ing. Zdeněk Kočí  
Head Assessor

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## 1. General

### 1.1. Information about the manufacturer

Trade name: Advanced Materials - JTJ s.r.o.  
INo: 26763842  
Address: Kamenné Žehrovice 23, 27301 Kladno

### 1.2. Information about the product and its intended use

Protective coating FN NANO<sup>®</sup> WOOD is transparent, protective, photocatalytic mineral coating, which is used for timber parts of buildings. Special protective characteristics to keep and/or improve characteristics of wood indoor are declared. The product is possible to apply with a brush or a roller or spraying.

Plant:

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

The protective coating FN NANO<sup>®</sup> WOOD 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.

### 1.3. List of documentation submitted by the manufacturer to the product certification

- Documentation according to §5, cl.1, letter b), c), d) of the Government Decree No. 163/2002 Coll. as subsequently amended.

### 1.4. List of the other documentation used during the product certification

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 (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, as amended.

Commission Regulation (EU) No. 2018/675 of 2 May 2018 amending the Appendices to Annex XVII to Regulation (EC) No. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals as regards CMR substances.

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 amended.

TN 05.14.03 Protective paints and coatings for timber members

### 1.5. Technical specification and technical regulations relating to the product certification

National Technical Approval No. 010-042165 of 13 January 2020 valid until 31

October 2023, TZÚS Prague, s. p., Brach 0100-Prague, Authorized Body 204.

### 1.6. Information about previous product certification

The previous product certification FN NANO® WOOD was not carried out.

## 2. Result of the review of the documentation submitted by the manufacturer

The documentation is accordance with §5, cl.2, letter a) of the Government Decree No. 163/2002 Coll. as subsequently amended.

## 3. Product assessment

### 3.1. Technical requirements

Technical requirements are laid down in the National technical approval No. 010-042165 of 13 January 2020, valid until 31 October 2023, issued by TZÚS Prague, s. p., Branch 0100-Praha, Authorized Body 204.

The following characteristics are assessed according to the National technical approval No. 010-042165 of 13 January 2020:

- Adhesion
- Water-vapour transmission properties
- Health safety

### 3.2. List of the Test Reports:

- Test Report No. 010-041983 of 18 November 2019, issued by TZÚS Prague, s.p., Central laboratory – department Prague, testing laboratory No. 1018.3.

### 3.3. Evaluation of the test results of the product tests and assessment

Tab.1: Characteristics which are assessed at the control testing „Protective paints and coatings for timber members, type/variation: FN NANO® WOOD“:

Product characteristic	Test Report	Test Method	Test Results	Required/declared level	Evaluation
Adhesion	010-041983	National technical approval No. 010-042165	level 0 (Edges of cuts are completely clean; any square is not removed)	D: level 1 (Peeling of small scales of coatings at the cross-cut. The affected area is not more than 5 % of the grid area.)	Pass
Water-vapour transmission properties	010-041983		0,10 m	D: $S_d < 0,14$ m	Pass
Health safety	---		Assessment of safety data sheet – the product is not dangerous chemical	R: Sanitary and health safety	Pass

**Conclusion of the evaluation of the test results:** Product „Protective paints and coatings for timber members, type/variation: FN NANO® WOOD“ correspond in its characteristics to the technical specification.

## 4. Factory Production Control assessment

### 4.1. Requirement of the technical specification, technical regulations regarding Factory Production Control:

Requirements are laid down in the National technical approval No. 010-042165 of 13 January 2020, valid until 31 October 2023, issued by TZÚS Prague, s. p., Branch 0100-Prague, Authorized Body 204.

### 4.2. Evaluation of the Factory Production Control Assessment Result:

The manufacturer's factory production control system was assessed in the plant on the basis of the inspection of 26 August 2019.

## 5. Conclusion

- The sample of product is in accordance to the requirements of the technical specification and technical regulations in the monitored characteristics.
- The Factory Production Control complies with technical documentation and ensures that products put on the market meet the requirements laid down in the Government Decree No. 163/2002 Coll., as amended, and its effective function is ensured by the manufacturer.
- The product meets the requirements of the Government Decree No. 163/2002 Coll., as amended.
- Findings and conclusions mentioned in this Report are valid providing the conditions under them FPC assessment was carried out remain unchanged (e.g. technical regulations, technical specifications, production technology, incoming raw and manufacturing equipment).
- In compliance with provision of § 5 Clause 1 and 4 of the Government Decree No. 163/2002 Coll., as amended, the technical documentation has to be complemented with Surveillance Reports.

## 6. Annexes

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**End of the Report of the product certification**