



ANTIFLASH AGAINST FIRE

CONCENTRATED LIQUID AGENT INTENDED FOR REDUCTION OF THE REACTION OF WOOD TO FIRE WITH PREVENTIVE FUNGICIDAL AND INSECTICIDAL EFFECTS AGAINST WOOD-DESTROYING FUNGI AND INSECTS. SUITABLE FOR TREATMENT OF WOOD ELEMENTS OF BUILDING STRUCTURES AND OTHER WOOD-BASED MATERIALS BUILT IN BUILDING INTERIORS. FOR PROFESSIONAL AND INDUSTRIAL USE.

PRODUCT CHARACTERISTICS:

- › reduction of reaction of timber to fire
- › long-term preventive protection
- › waterborne liquid
- › designed for interiors
- › preventively efficient wood use in classes 1 and 2
- › tested according to European technical standards (EN 113, EN 73, EN 46-1, EN 13501-1+ A1, EN 13823 and EN ISO 11925-2)
- › produced in a quality management system according to ISO 9001 and 14001

AREAS OF APPLICATION: For improving fire resistance (decreasing reaction to fire) of wooden structures and built-in elements indoors (use class 1 and 2 according to EN 335) in addition with preventive efficiency against wood-destroying fungi Basidiomycetes and wood-destroying insects. Treated timber meets the requirements of class B-s1, d0 and C-s1, d0 of reaction to fire according to EN 13501-1.

TYPE OF SPECIFICATION ACCORDING TO EN 13501-1: B-s1, d0 and C-s1, d0

TYPE OF SPECIFICATION ACCORDING TO 49 0600-1: F_B, I_p, 1, 2, S

ACTIVE SUBSTANCE: Boric acid

CONTENT OF VOLATILE ORGANIC COMPOUNDS, VOC: limit A/e, WB 130g/l, contain 101,6 g/l in the application solution, weight percentage of total volatile organic compound in the concentrate product: 8%.

RELATIVE DENSITY (at 20 °C): 1,20 – 1,35

pH (at 20 °C): 8,0 – 9,0

TREATED TIMBER FEATURES AND APPEARANCE: The product after dilution is absorbed in timber, it does not form a layer on the treated timber surface, the treated timber does not smell. Colourless variant of product can cause timber yellow shade.

APPLICATION:

- › Antifire efficiency: coat, pressure-vacuum impregnation
- › Preventive protection: coat, spray, immersion

INDICATION COLOUR: brown, green, colourless

THE MECHANISM OF BOCHEMIT ANTIFLASH FIRE PROTECTION IMPACT:

Bochemit® Antiflash ensures the decreasing of the wood flammability, reduces the rate of combustion and decreases the spread of flame on the surface of wood. The active substances contained in Bochemit® Antiflash are at combustion decomposed on the another inflammable gaseous substances (thereby reduces the amount of oxygen required for the oxidation of wood) which escape to the surface of the wood and dilute the oxygen so much that it cannot arise the flammable and combustible gaseous mixtures. Furthermore, the active compounds act at reaction mechanism of wood decomposition that they preferentially absorb the large amount of heat and slow down its approach to the wooden matter and support the formation rate of charred surface layer which has a significant insulating effect and prevents further combustion.

TECHNOLOGICAL APPLICATION PROCEDURES:

1. PREVENTIVE PROTECTION OF WOOD BY COATING OR SPRAYING

Stir before use! The concentrate is diluted with water (see table below). The working solution is coated or sprayed on wood surface at temperature +5 to +30 °C to reach complete and uniform coating on the whole surface of wood. The number of applications depends on required dose (see table below) and quality of treated wood (humidity of wood and type of wood). The subsequent coating or spraying can be done only after the previous one has dried. Bochemit® Antiflash cannot be applied on frozen wood. The recommended wood moisture for application of Bochemit® Antiflash is up to 15 %.

2. PREVENTIVE PROTECTION OF WOOD BY IMMERSION

Stir before use! Wood treatment by immersion is carried out in suitable immersion basin. The concentrate is diluted with water. The data referring to concentration and required dose are mentioned in table below.

LIFE SPAN OF PERFORMED PROTECTION:

› Use class 1 and 2 (interior): time unlimited

SHELF LIFE: 24 months

| RECOMMENDED APPLICATION OF THE PREPARATION | | | |
|--|--|---------------------------------------|-------------------------|
| APPLICATION | APPLICATION METHOD | CONCENTRATE DILUTION BOCHEMIT : WATER | MIN. CONCENTRATE INTAKE |
| Reduction of reaction of timber to fire Class C | coat 3x | 1:1 | 250 g/m ² |
| Reduction of reaction of timber to fire Class B | coat 3x | 2:1 | 300 g/m ² |
| Fungicide and insecticide protection in interiors, professional and industrial use | coat, spray (1-2x) immersion 45 min | 1:9 | 30 g/m ² |

PACKAGING: 5 kg, 60 kg

PRODUCT STORAGE: Store in original, well closed containers, separately from drinking water, food, drinks and fodder; do not store in direct sunlight. Storage temperature: -15 to +30 °C. The storage areas must be secured so that no product can escape into the environment and no unauthorized persons can enter.

STORAGE OF TREATED WOOD: Wood after treatment Bochemit[®] Antiflash should be stored under cover until its installation.

COMPATIBILITY WITH OTHER PRODUCTS: Bochemit[®] Antiflash shall not be mixed with other products. We do not recommend mixing Bochemit[®] Antiflash with other products even in the form of work solutions if their compatibility was not pre-verified and conformed in Bochemie laboratory.

CORROSIVE ACTION: Bochemit[®] Antiflash and its aqueous solutions do not cause corrosion of articles made from nonalloy structural steel and can come into contact with the following materials: polyethylene, polypropylene, glass.

WARNING: For professional use only. Causes severe skin burns and eye damage. May cause respiratory irritation. May damage fertility. May damage the unborn child. Obtain special instructions before use. Do not breathe mist. Wear protective rubber gloves/protective clothing/eye protection/face protection. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advices.

FIRST AID: Inhalation: remove the source of exposure, prevent physical strain (including walk), or seek medical help. Ingestion: rinse mouth with potable water and leave victim to drink 0,5 L of water if the subject is conscious. Do not induce vomiting, seek medical aid. Use only in well-ventilated areas.

WASTE DISPOSAL: After careful emptying and rinsing, submit the packages to a qualified company for recycling. Rinsing water is used for the preparation of working solutions. Possible product leftovers must be disposed of as dangerous waste.

Use biocides safely. Always read the label and product information before use.

The manufacturer is not liable for damages caused by improper product use.

Revision date: 21.04.2020

DISTRIBUTOR:
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Series: Technical Approvals

ITB technical approval

AT-15-7264/2012

On the basis of the Ministry of Infrastructure regulation of 8 November 2004 on Technical Approvals and organizational units authorized to deliver them (OJ 2014, Item 1040), as a result of the approval proceedings held in the Building Research Institute on request of the company:

"Chemar" s.c. J. Heliński & Co.

49 Brużyczka Mała, 95-070 municipality of Aleksandrów Łódzki

states the suitability for building industry use of the product named:

Fireproof Impregnation Agent

KUPRAFUNG - FLAME RETARDANT

for wood, wood derivatives

floorings, fabrics and cardboard

in the scope and according to the rules described in the appendix, which is an integral part of the ITB Technical Approval.

Expiry date.

28 December 2021

Building Research Institute Director

D.Engr. Marcin M. Kruk

Appendix:

General and technical arrangements

Warsaw, 28 December 2016

ITB Technical Approval AT-15-7264/2016 is an amendment of the ITB Technical Approval AT-15-7264/2012. The ITB Technical Approval AT-15-7264/2016 document consists of 13 pages. The text can be copied only as a whole. Publishing or publicising the document in parts requires a written agreement from the Building Research Institute.

APPENDIX

GENERAL AND TECHNICAL ARRANGEMENTS

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ADDITIONAL INFORMATION

1. THE SUBJECT MATTER OF THE APPROVAL

The object of the ITB Technical Approval is a fireproof impregnation agent for wood, wood derivatives, floorings, fabrics and cardboard, with a trading name KUPRAFUNG - FLAME RETARDANT, produced by "Chemar" s.c. J. Heliński & Co. 49 Bruźyczka Mała, 95-070 municipality of Aleksandrów Łódzki.

KUPRAFUNG - FLAME RETARDANT in its trading form is a loose hygroscopic powder based on modified inorganic potassium compound. It does not have any smell and its colour is white and grey. It contains 100% of active substance. For impregnation it is used in the form of working solution, after diluting in water.

Working solutions in normal conditions are alkaline, clear liquids, white and grey in colour.

Required technical properties of the KUPRAFUNG - FLAME RETARDANT agent are given in point 3.

2. DESTINATION, SCOPE AND CONDITIONS OF USING

KUPRAFUNG - FLAME RETARDANT impregnating agent is destined for securing the following elements from fire:

- wooden building elements, of at least 20 millimetres thick, made of different types of wood, except for exotic wood,
- building elements made of wood derivatives (for example: chip board, plywood, oriented strand board), of at least 12 millimetres thickness,
- woolly and polyamide flooring,
- polyamide, woolly and polyester fabrics,
- cardboard.

The process of impregnation with the use of KUPRAFUNG - FLAME RETARDANT should be made with the surface method (lubrication, spraying or with a bathing method) or with the vacuum pressure method.

The process of impregnating the wood derivatives with the use of KUPRAFUNG - FLAME RETARDANT should be made with surface method (lubrication, spraying or with a bathing method).

The process of impregnating fabrics and floorings with the use of KUPRAFUNG - FLAME RETARDANT should be made with the surface method (lubrication, spraying or with a bathing method).

The process of impregnating cardboard with the use of KUPRAFUNG - FLAME RETARDANT should be made with the surface method (lubrication or bathing method).

For KUPRAFUNG - FLAME RETARDANT impregnating agent the following range of concentration for working solutions is recommended:

- 20% - with the surface method – lubrication and spraying
- 15% - with the use of surface method – bathing method
- 10% - with the vacuum pressure impregnation method of wood

In case of surface impregnation, the following dosage of KUPRAFUNG - FLAME RETARDANT (loose powder) is recommended:

- at least 190g/m² – in case of building elements made of wood (according to table 1, point 2),
- at least 230 g/m² - in case of building elements made of wood (according to table 1, point 1 and 5),
- at least 230 g/m² – in case of building elements made of wood derivatives (according to table 1, point 4 and 6),
- at least 200 g/m² – in case of polyamide and woolly floorings (according to table 1, point 7 and 8),
- -at least 200g/m² – in case of polyester fabric (according to table 2, point 1),
- at least 160g/m² – in case of woolly fabric (according to table 2, point 2),
- at least 150g/m² – in case of cardboard (according to table 2, point 3).

In case of the vacuum pressure method, the recommended dosage of 40 kg/m³ (according to table 1, point 3) of KUPRAFUNG - FLAME RETARDANT should be used.

After installation, the impregnated elements should not have direct contact with groceries and cannot be directly exposed to precipitation, water and contact with ground.

Before applying the impregnation agent, the protected surface ought to be clean, which means degreased, deprived of dust, deprived of old painting surfaces and dry.

After washing or chemical cleaning, the fabrics and floorings previously protected with KUPRAFUNG - FLAME RETARDANT should be impregnated once again, since the agent may lose its properties.

The conditions for preparing the working solution of KUPRAFUNG - FLAME RETARDANT for applying and impregnation or seasoning of the protected elements, as well as the rules for work control, should be stated in the user's manual provided and prepared by the producer. The user's manual should be accessible for users of KUPRAFUNG - FLAME RETARDANT.

Fire classification for wood protected with KUPRAFUNG - FLAME RETARDANT is presented in table 1.

Table 1

**Fire classification for elements protected with
KUPRAFUNG - FLAME RETARDANT**

| No | The characteristics of the protected element | Method of impregnating | Usage, minimum | Fire classification of protected elements according to: | |
|----|---|------------------------|---------------------|---|---|
| | | | | PN-EN 13501-1+A1:2010, Flame reaction class | Ministry of Infrastructure regulations |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Wooden boards and elements from every kind of wood (excluding exotic wood), at least 20mm thick, fixed to base of A1 or A2 flame reaction class according to PN-EN 13501-1+A1:2010 or in any proximity. | Surface method | 230g/m ² | B-s1,d0 | - product: not inflammable, not dripping, not falling exposed to flames and not spreading the flames through the walls inside the building. |
| 2 | Wooden boards and elements from every kind of wood (excluding exotic wood), at least 20mm thick, fixed to base of A1 or A2 flame reaction class according to PN-EN | Surface method | 190g/m ² | B-s2,d0 | - product: not inflammable, not dripping, not falling exposed to flames and not spreading the flames through the walls inside the |

| | | | | | |
|---|---|------------------------|----------------------|------------------------|---|
| | 13501-1+A1:2010 or in any proximity. | | | | building. |
| 3 | Wooden boards and elements from every kind of wood (excluding exotic wood), at least 20mm thick, fixed to base of A1 or A2 flame reaction class according to PN-EN 13501-1+A1:2010 or in any proximity. | Vacuum pressure method | 40 kg/m ³ | B-s2,d0 | - product: not inflammable, not dripping, not falling exposed to flames and not spreading the flames through the walls inside the building. |
| 4 | Wood derivatives, at least 12mm thick, fixed to base of A1 or A2 flame reaction class according to PN-EN 13501-1+A1:2010 or in any proximity. | Surface method | 230g/m ² | B-s1,d0 | - product: not inflammable, not dripping, not falling exposed to flames and not spreading the flames through the walls inside the building. |
| 5 | Flooring made of elements from every kind of wood (excluding exotic wood), at least 20mm thick, fixed to base of A1 or A2 flame reaction class according to PN-EN 13501-1+A1:2010 | Surface method | 230g/m ² | B _{fl} -s1,d0 | - not inflammable flooring |
| 6 | Flooring made of wood derivatives, at least 20mm thick, fixed to base of A1 or A2 flame reaction class according to PN-EN 13501-1+A1:2010 | Surface method | 230g/m ² | B _{fl} -s1,d0 | - not inflammable flooring |
| 7 | Flooring made of polyamide fabrics, fixed to base of A1 or A2 flame reaction class according to PN-EN 13501-1+A1:2010 | Surface method | 200g/m ² | C _{fl} -s1,d0 | -flame retardant |

| | | | | | |
|--|---|----------------|---------------------|------------------------|--------------------------|
| 8 | Flooring made of woolly fabrics fixed to base of A1 or A2 flame reaction class according to PN-EN 13501-1+A1:2010 | Surface method | 200g/m ² | B _{fl} -s1,d0 | not inflammable flooring |
| The Ministry of Infrastructure regulations describing the technical conditions for buildings and their position (consolidated text: Journal of Laws of 2015, item 1422). | | | | | |

Classification concerning the flammability extent of the elements protected with KUPRAFUNG - FLAME RETARDANT according to PN-EN ISO 6940:200 are presented in table 2.

Table 2

**Classification concerning the flammability extent of the elements protected with
KUPRAFUNG - FLAME RETARDANT**

| No | The characteristics of the protected element | Usage, minimum | Impregnated elements classification due to the flammability extent according to PN-EN ISO 6940:2005 |
|----|--|---------------------|---|
| 1 | 2 | 3 | 4 |
| 1 | Polyester fabric | 200g/m ² | not inflammable product |
| 2 | Woolly fabrics | 160g/m ² | not inflammable product |
| 3 | Cardboard | 150g/m ² | not inflammable product |

During the impregnation process the following rules of safe application should be strictly obeyed: ----

- conditions of safe usage, given by the producer in the Material Safety Data Sheet, prepared in accordance to regulation (EC) No 1907/2006 (with amendments) of the European Parliament and of the Council concerning the registration, evaluation, authorisation and restriction of chemicals (REACH),
- the technical – building requirements, especially the Minister of Infrastructure regulation of 12 April 2002 describing the technical conditions for buildings and their position (consolidated text: Journal of Law of 2015, item 1422).

Wood impregnated with KUPRAFUNG - FLAME RETARDANT should be stored under the roof and/or on impenetrable base so that the agent could not penetrate the ground or water. The product should be kept beyond children's reach.

3. TECHNICAL PROPERTIES. REQUIREMENTS

3.1 Substances

The properties of the substances used to produce KUPRAFUNG - FLAME RETARDANT, the way of checking and accepting them are not described in this ITB technical approval and should be determined within the factory production control.

3.2. Applied and technical properties

Applied and technical properties for KUPRAFUNG - FLAME RETARDANT impregnation agent should be consistent with the requirements given in table 3.

Table 3

Required applied and technical properties for KUPRAFUNG - FLAME RETARDANT impregnation agent.

| No | Properties | Requirements | Research methods |
|----|---|----------------------|---|
| 1 | 2 | 3 | 4 |
| 1 | Colour | white and grey | PN-C-04906:2000 |
| 2 | Smell | no smell | |
| 3 | Consistency | loose powder | |
| 4 | pH of the 15% water solution | 12,0 ÷ 13,0 | |
| 5 | Content of the substances indissoluble in water, % | lack | PN-C-04517:1954 |
| 6 | Rust activity of the 15% solution for steal | little | PN-C-04910:1987 |
| 7 | Fire classification in the scope of fire reaction of 20mm thick pine wood, protected with surface method in accordance with the conditions of using in point 2, with the use of: <ul style="list-style-type: none"> - 190 g of powder for 1 m² - 230 g of powder for 1 m² | B-s2,d0 B – s1,d0 | PN-EN 13501-1+A1:2010 PN-EN ISO 11925-2:2010/AC:2011 PN-EN 13823+A1:2014 |
| 8 | Fire classification in the scope of fire reaction of 20mm thick pine wood, protected with dipping method in accordance with the | B-s2, d0 | |

| | | | |
|----|--|---------------------|---|
| | conditions of using in point 2 with the use of 40 kg of powder for 1m ³ | | |
| 9 | Fire classification in the scope of fire reaction of 12mm thick chipboard, protected with surface method, in accordance with the conditions of using in point 2, with the use of 230g of powder for 1m ² | B-s2,d0 | PN-EN 13501-1+A1:2010 PN-EN ISO 11925-2:2010/AC:2011 PN-EN 13823+A1:2014 |
| 10 | Fire classification in scope of fire reaction of 20 mm thick pine wood flooring, protected with bathing method by submerging in accordance with the conditions of using in point 2, with the use of 230g of powder for 1m ³ | B _{fl} -s1 | |
| 11 | Fire classification in the scope of fire reaction of 20mm thick chipboard flooring, protected with dipping method in accordance with the conditions of using in point 2 with the use of 230g of powder for 1m ³ | C _{fl} -s1 | PN-EN 13501-1+A1:2010 PN-EN ISO 11925-2:2010/AC:2011 PN-EN 9239-1:2010 |
| 12 | Fire classification in scope of fire reaction of 8mm polyamide flooring, protected with the surface method in accordance with the conditions of using in point 2 with the use of 200g of powder for 1m ² | C _{fl} -s1 | |
| 13 | Fire classification in scope of fire reaction of 14mm woolly flooring, protected with the surface method in accordance with the conditions of using in point 2 with the use of 200g of powder for 1m ² | B _{fl} -s1 | |

| | | | |
|---|---|-------------------------|---------------------|
| 14 | Fire classification in scope of fire reaction of polyester fabric, protected in accordance with the conditions of using in point 2 with the use of 200g of powder for 1m ² | not inflammable product | PN-EN ISO 6940:2005 |
| 15 | Fire classification in scope of fire reaction of woolly fabric, protected in accordance with the conditions of using in point 2 with the use of 160g of powder for 1m ² | not inflammable product | PN-EN ISO 6940:2005 |
| 16 | Fire classification in scope of fire reaction of cardboard, protected in accordance with the conditions of using in point 2 with the use of 160g of powder for 1m ² | not inflammable product | |
| <ul style="list-style-type: none"> Property determined in the approval procedure, not subjected to preliminary examinations and ready to use products' examinations. | | | |

4. PACKAGING, STORING, TRANSPORT

4.1. Packaging

KUPRAFUNG - FLAME RETARDANT impregnation agent should be packed in tightly closed brand packaging, protecting it from pouring out and losing its applied and technical properties.

Every package should be enclosed with a label containing at least following data:

- name and address of the Producer,
- the name of the product in accordance with this ITB Technical Approval,
- weight in the package
- expiry date,
- conditions of storing and transport
- number of the ITB Technical Approval (AT-15-7264/2016),
- number and date of the national declaration of conformity,

- building marks.

The way of labelling with building marks should be compliant with the regulation of the Minister of Infrastructure of 11 August 2004 on ways of declaring building product conformity as well as ways of marking them with building marks (Journal of Laws No. 198, item 2041 with amendments).

Moreover, if other provisions of law stipulate that the product should be labelled on the basis of the Regulation of the Minister of Health of 20 April 2012 on labelling the packaging of hazardous substances and dangerous mixtures and certain mixtures (Journal of Law of 2015, item 450), as well as Regulation (EC) No. 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of the substances and mixtures, repealing and amending the Directives 67/548/EEC and 1999/45/EC and amending the Regulation (EC) No. 1907/2006 (CLP) and also joining information defining the health or life hazard described in Material Safety Data Sheet, on the basis of Regulation (EC) No. 1907/2006 (with amendments) of the European Parliament and the Council on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), the product should contain appropriate documentation with legally binding labelling and information.

4.2. Storing

KUPRAFUNG - FLAME RETARDANT impregnation agent should be stored in dry, ventilated spaces, away from groceries and fodders, in places inaccessible for children, in a way protecting the packaging from damage.

4.3 Transport

KUPRAFUNG - FLAME RETARDANT impregnation agent should be transported in a way protecting the packages from moving while being transported, damaging or destroying.

5. CONFORMITY ASSESSMENT

5.1. General principles

According to article 4, article 5 paragraph 1 point 3 and article 8, paragraph 1 of the Act of 16 April 2004 on building products (Journal of Law No. 92/2004, Item 881 with amendments), the product which is of the concern of this Technical Approval can be allowed for trading and used for building in the scope appropriate for its applied properties and destination, if the Producer has fulfilled the process of conformity assessment, issued a national declaration of conformity with the ITB AT-15-7264/2016 Technical Approval and labelled the product with a building mark, according to current regulations.

According to the regulation of the Minister of Infrastructure of 11 August 2004 on ways of declaring building product conformity, as well as ways of labelling them with building marks (Journal of Laws No. 198, item 2041 with amendments) the conformity assessment of the KUPRAFUNG - FLAME RETARDANT impregnation agent with the ITB AT-15-7264/2012 Technical Approval is done by the Producer with the implementation of system 1.

In case system 1 of the conformity assessment, the Producer can issue a national declaration of conformity with the ITB AT-15-7264/2016 Technical Approval if the accredited certifying entity issued product conformity certificate on the basis of:

a) The Producer's tasks:

- company production control
- additional tests of ready to use products (samples) taken from the Producer's production plant, according to planned tests schedule, including tests given in point 5.4.3,

b) accredited entity tasks:

- initial type testing
- initial inspection of the company and company production control,
- continuous supervision and acceptance of the company production control.

5.2. Initial type testing

Initial type testing is a kind of examination confirming required applied and technical properties, done before allowing the product for market trading.

Initial type testing for KUPRAFUNG - FLAME RETARDANT impregnation agent involves:

- a) rust activity on steel ,
- b) fire classification in the scope of the reaction for fire,
- c) fire classification in the scope of flammability level.

The tests, which were the basis for stating the applied and technical properties in the approval procedure, constitute the initial type testing in the conformity assessment.

5.3. Company production control

Company production control involves:

1. specification and checking of the raw materials and elements,
2. control and examination in the process of producing and testing the readymade product (point 5.4.2.), carried out by the Producer according to a fixed plan of testing and according to the rules and procedures defined in the company production control documentation, adjusted to production technology and aimed at obtaining products with required properties.

Production control should ensure that the product is consistent with the ITB AT-15-7264/2016 Technical Approval. The results of the production control should be registered regularly. The register should confirm, that the product fulfils the criteria for the conformity assessment. Particular products or consignment of goods and production details connected have to be fully accessible for identification and reconstruct.

5.4. Finished product control

5.4.1. Testing schedule. Testing schedule includes:

- a) ongoing inspections,
- b) additional tests.

5.4.2. Ongoing inspections. Ongoing inspections include checking:

- a) colour,
- b) smell,
- c) consistency
- d) pH of the water solution.

5.4.3. Routine tests. Routine tests include checking:

- a) rust activity on steal ,
- b) fire reaction classification
- c) flammability level.

5.5 Frequency of testing

Ongoing testing should be carried out according to a fixed plan of testing, however at least once for every consignment of goods. The size of a consignment of goods should be defined in company production control documentation.

Additional testing should be carried out at least once every three years.

5.6 Methods of testing

Testing should be carried out according to norm requirements enumerated in column 4 of table 3.

The results ought to be compared with requirements given in column 3 of table 3.

5.7. Collecting samples for testing

Product samples for testing should be taken according to the norm PN-EN 212:2007 requirements.

5.8. Evaluation of testing results

The products meet the requirements of the Technical Approval of the Building Research Institute if the results of all tests are positive.

6. FORMAL AND LEGAL ARRANGEMENTS

6.1 ITB AT-15-7264/2016 Technical Approval replaces ITB AT-15-7264/2012 Technical Approval.

6.2 ITB AT-15-7264/2016 Technical Approval is a document stating that KUPRAFUNG - FLAME RETARDANT impregnation agent is applicable for building use in the scope resulting from the Approval.

According to article 4, article 5 paragraph 1 point 3 and article 1 of the act of 16 April 2004 on building products (Journal of Laws No. 92/2004, Item 881 with amendments), the product which is of the concern of this Technical Approval can be allowed for trading and used for building in the scope appropriate for its applied properties and destination, if the Producer has fulfilled the process of conformity assessment, issued a national declaration of conformity with the ITB AT-15-7264/2016 Technical Approval and labelled the product with a building mark, according to governing provisions of law.

6.3 The Technical Approval does not break any rights that result from the regulations

referring to the protection of the industrial property, especially the act of law of 13th June 2003 on Industrial Property Law (consolidated text: Journal of Laws of 2013, item 1410 with amendments). Ensuring these rights is the responsibility of all users of the Technical Approval.

6.4 After issuing the Technical Approval, the Building Research Institute does not take the responsibility for any violation of the exclusive and acquired rights.

6.5 The ITB Technical Approval does not exempt the Producer of the KUPRAFUNG - FLAME RETARDANT impregnation agent from the responsibility for the appropriate quality of the products. It does not exempt the contractor of impregnating works from the responsibility for the appropriate use of the products either.

6.6 All the documents and advertisements connected with using and trading of the KUPRAFUNG - FLAME RETARDANT impregnation agent should include the information about the ITB AT-15-7264/2016 Technical Approval.

7. EXPIRY DATE

The ITB AT-15-7264/2016 Technical Approval is valid until 28 December 2021. The validity of the Technical Approval may be extended if an applicant or a legal successor applies to the Building Research Institute for extending the validity 3 months before the Technical Approval expires.

THE END

ADDITIONAL INFORMATION

Norms and related documents

| | |
|-----------------------|---|
| PN-C-04906:2000 | Wood protecting agents. General requirements and tests. |
| PN-C-04517:1954 | Chemical tests and trials. Labelling the water indissoluble substances in chemical products. |
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