



The following technical datasheet is provided by Bona.

For further information please either give us a call or visit the manufacturer's website.

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All information is correct at the time of download from the manufacturer.

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Registered in England under Company No: 03746590 VAT No: 765 9995 45

Bona Amber

Technical data sheet

Produces a rich, amber wood colouration similar to that of traditional, solventbased lacquers but without the hazards associated. Excellent abrasion properties. Highly suitable for floors with underfloor heating and/or moving floors such as end grain or plank floors. Suitable for oak and darker types of wood including tropical species.

- Rich, amber wood colouration
- Highly suitable for underfloor heating
- Excellent abrasion performance
- Reduces potential for sidebonding
- GreenGuard approved for low indoor emissions



Technical data

Type of varnish:	Tinted 1-component waterborne polyurethane primer
Solids content:	32%
VOC:	max 95 g/lit
Dilution:	If required, dilute with Bona Retarder (4%) for longer open time.
Drying time:	1-2 hours (20°C/60% R.H)
Application tools:	Bona Roller
Application rate:	8-10 m ² /lit (120-100g/m ²) per coat
Safety:	Unclassified
Cleaning:	Wipe tools free from residual material before cleaning with a minimum of water. Dried material can be removed with acetone.
Shelf life:	1 year from date of production in unopened original container
Storage/transport:	The temperature must not fall below +5°C or exceed +25°C during storage or transport
Disposal:	Wastes and emptied containers should be handled in accordance with local regulations.
Pack size:	3 x 5 litres (44 boxes per pallet)
Certifications:	GreenGuard DIBt: Safe building product

Preparations

Ensure floor is acclimatized to its end-use environment. The surface which is to be treated must be sanded back to bare wood, dry and free from sanding dust, oil, wax and other contamination. It is recommended to finalize the sanding with a Bona Quattro or Multi Disc.

Allow product to reach room temperature. Optimal application conditions are between 18-25°C and 30-60% relative air humidity. High temperatures and low humidity shorten, low temperatures and high humidity lengthen drying time. **Minimum temperature for use is 13°C.**

Treatment schedule

Untreated wood, domestic floor:

- 1x Bona Prime Amberseal
- Light sanding grit 150
- 1x Bona Prime Amberseal
- 1-2x Bona Waterborne Topcoat

Untreated wood, commercial floor:

- 1x Bona Prime Amberseal
- Light sanding grit 150
- 1x Bona Prime Amberseal
- 2x Bona Waterborne Topcoat

Note: It is not recommended to apply more than two full coats per day due to risk of excessive wood swelling.

Finishing



Bona Amber

Technical data sheet

Finishing



Application

1. Using a Bona Roller, apply the primer evenly avoiding accumulation of product. Care should be taken to achieve a uniform level of timber saturation to avoid colour variation. Always maintain a 'wet edge' to avoid overlaps.
2. When dry, abrade to reduce grain raise using the Bona Scrad system or a sanding screen grit 150 or finer.
3. Remove all dust and apply an additional layer of Bona Amberseal and let dry.
4. Apply 1-2 layers of a waterborne lacquer from Bona depending on wear resistance requirements.

Maintenance

Bona Amberseal should never be used as the final treatment for timber floors.

The information provided is prepared to the best of our current knowledge but makes no claim to be complete. User is responsible for establishing that the product and recommendations herein are fit for the designated purpose, wood type and present situation before use. Bona can only guarantee the delivered product. A professional and thereby successful application of the product is beyond our control. If in doubt make a preliminary test. User is required to read and understand all information contained on package labels and safety data sheets before using this product.

SAFETY DATA SHEET

Bona[®]

Bona Amber

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : Bona Amber
Product description : Waterborne coating for wooden floors.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

1.3 Details of the supplier of the safety data sheet : Bona AB
Box 210 74
SE-200 21 MALMÖ
SWEDEN
Tel. +46-(0)40-38 55 00
e-mail address of person responsible for this SDS : Environment@bona.com

1.4 Emergency telephone number

Supplier

Telephone number : +46 (0)40 385500
Hours of operation : 8:00 - 16:00
Information limitations : Information in English only!

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Signal word : No signal word.
Hazard statements : No known significant effects or critical hazards.
Precautionary statements
Prevention : Not applicable.
Response : Not applicable.
Storage : Not applicable.
Disposal : Not applicable.
Supplemental label elements : Contains 5-Decyne-4,7-diol, 2,4,7,9-tetramethyl-. May produce an allergic reaction.
Safety data sheet available on request.

SECTION 2: Hazards identification

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Special packaging requirements

Containers to be fitted with child-resistant fastenings : Not applicable.

Tactile warning of danger : Not applicable.

2.3 Other hazards

Other hazards which do not result in classification : None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
- Eye contact** : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

There are no data available on the mixture itself. The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains 5-Decyne-4,7-diol, 2,4,7,9-tetramethyl-. May produce an allergic reaction.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

See toxicological information (Section 11)

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media** : Recommended: alcohol-resistant foam, CO₂, powders, water spray.
- Unsuitable extinguishing media** : Do not use water jet.

5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.
- Special protective equipment for fire-fighters** : Appropriate breathing apparatus may be required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

- : Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

- : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a detergent. Avoid using solvents.

6.4 Reference to other sections

- : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

- : Avoid contact with skin and eyes. Avoid inhalation of vapour, spray or mist. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
Put on appropriate personal protective equipment (see Section 8).
Never use pressure to empty. Container is not a pressure vessel.
Always keep in containers made from the same material as the original one.
Comply with the health and safety at work laws.
Do not allow to enter drains or watercourses.

7.2 Conditions for safe storage, including any incompatibilities

SECTION 7: Handling and storage

Store in accordance with local regulations.

Notes on joint storage

Keep away from: oxidising agents, strong alkalis, strong acids.

Additional information on storage conditions

Store in a dry, cool and well-ventilated area. Keep container tightly closed.

No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering controls : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Use safety eyewear designed to protect against splash of liquids.

Skin protection

Hand protection

SECTION 8: Exposure controls/personal protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

Gloves : For prolonged or repeated handling, use the following type of gloves:

Recommended: nitrile rubber

The recommendation for the type or types of glove to use when handling this product is based on information from the following source:

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

Body protection : Not applicable.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Not applicable.

Environmental exposure controls : Do not allow to enter drains or watercourses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: Liquid.
Colour	: Brown.
Odour	: Not available.
Odour threshold	: Not applicable.
pH	: 8
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	: Not available.
Flash point	: Not available.
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not applicable.
Upper/lower flammability or explosive limits	: Not applicable.
Vapour pressure	: Not available.
Vapour density	: Not available.
Relative density	: 1,04
Solubility(ies)	: Soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/ water	: Not applicable.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not applicable.
Viscosity	: Not available.

Bona Amber

SECTION 9: Physical and chemical properties

Explosive properties : Not available.

Oxidising properties : Not available.

9.2 Other information

Solubility in water : Not available.

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability : Stable under recommended storage and handling conditions (see Section 7).

10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : When exposed to high temperatures may produce hazardous decomposition products.

10.5 Incompatible materials : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

10.6 Hazardous decomposition products : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

There are no data available on the mixture itself. The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains 5-Decyne-4,7-diol, 2,4,7,9-tetramethyl-. May produce an allergic reaction.

Acute toxicity

Conclusion/Summary : Not available.

Acute toxicity estimates

Not available.

Irritation/Corrosion

Conclusion/Summary : Not available.

Sensitisation

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

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SECTION 11: Toxicological information

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Other information : Not available.

SECTION 12: Ecological information

12.1 Toxicity

There are no data available on the mixture itself.
Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as hazardous to the environment.

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

SECTION 13: Disposal considerations

- Disposal considerations** : Do not allow to enter drains or watercourses.
 Dispose of according to all federal, state and local applicable regulations.
 If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.
 For further information, contact your local waste authority.

European waste catalogue (EWC)

The European Waste Catalogue classification of this product, when disposed of as waste, is:

Waste code	Waste designation
08 01 12	waste paint and varnish other than those mentioned in 08 01 11

Packaging

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- Disposal considerations** : Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.
 Empty containers must be scrapped or reconditioned.
 Dispose of containers contaminated by the product in accordance with local or national legal provisions.
- Special precautions** : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
 None known.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

- 14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** : Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Other EU regulations

VOC : The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.

VOC for Ready-for-Use Mixture : 2004/42/EC - IIA/i: 140g/l (2010). <= 140g/l VOC.

Europe inventory : Not determined.

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

National regulations

Industrial use : The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

International lists

National inventory

Australia : Not determined.

Canada : All components are listed or exempted.

China : Not determined.

Japan : **Japan inventory (ENCS)**: Not determined.
Japan inventory (ISHL): Not determined.

Bona Amber

SECTION 15: Regulatory information

Malaysia	: Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: Not determined.
Turkey	: Not determined.
United States	: All components are listed or exempted.

15.2 Chemical safety assessment : No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

CEPE code : 7

✔ Indicates information that has changed from previously issued version.

Abbreviations and acronyms :

- ATE = Acute Toxicity Estimate
- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EUH statement = CLP-specific Hazard statement
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number
- vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

Full text of abbreviated H statements

Not applicable.

Full text of classifications [CLP/GHS]

Not applicable.

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Version : 1.02

Notice to reader

The information in this Safety Data Sheet is based on the present state of knowledge and current legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

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GOBIERNO
DE ESPAÑA

MINISTERIO
DE INDUSTRIA, ENERGÍA
Y TURISMO

LICOF: Laboratorio Oficial de Ensayos
R.D. 1614/1985 de 1 de agosto
O.M. de 21 de mayo de 1991



AFITI
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Centro de Ensayos e
Investigación del Fuego

Asociación para el Fomento de la Investigación y la Tecnología de la Seguridad contra Incendios

Informe de Clasificación

Classification Report

Laboratorio de Reacción al Fuego

Reaction to Fire Laboratory



SOLICITANTE:
APPLICANT:

Bona[®] BONA AB

CLASIFICACIÓN DE LA REACCIÓN AL FUEGO SEGÚN
NORMA UNE-EN 13501-1:2007+A1:2010
REACTION TO FIRE CLASSIFICATION ACCORDING TO STANDARD
UNE-EN 13501-1:2007+A1:2010.

- **Producto:** **Barniz de poliuretano**
Product : *Polyurethane varnish*
- **Fabricante:** Bona AB
Manufacturer :
- **Referencia:** "BONA AMBER"
Reference:

Nº/Nr: 2956T16-2

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**CLASIFICACIÓN DE LA REACCIÓN AL FUEGO SEGÚN
NORMA UNE-EN 13501-1:2007+A1:2010
REACTION TO FIRE CLASSIFICATION ACCORDING TO UNE-EN 13501-1:2007+A1:2010 STANDARD**

Solicitante: **BONA AB**
Applicant : P.O. Box 21074
20021 – MALMÖ (Suecia/Sweden)

Laboratorio emisor: **AFITI-LICOF**
Issuer Laboratory: Organismo notificado nº: 1168
Notified body Nr

Producto: **Barniz de poliuretano.**
Product : Polyurethane varnish

Fabricante **Bona AB**
Manufacturer :

Referencia: "BONA AMBER"
Reference :

Informe de Clasificación nº: **2956T16-2**
Classification Report Nr:

Fecha de emisión: 24-jun-16
Date of issue : 24th-Jun-16



Contenido del informe - Content of the report

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La información contenida en este Informe de Clasificación tiene carácter confidencial, por lo que el Laboratorio no facilitará a terceros información relativa a este Informe, salvo que lo autorice el Solicitante.

El presente Informe de Clasificación no debe reproducirse parcialmente sin la aprobación por escrito del Laboratorio.
The information held in this Classification Report is a confidential nature, meaning the Laboratory shall not provide information in relation to this report to third parties, except with the authorisation of the Applicant.

It is not allowed to reproduce partially this Classification Report without the Laboratory's written approval.



1.- OBJETO DEL INFORME – AIM OF THE REPORT

Este Informe de Clasificación define la clasificación de la Reacción al Fuego asignada al barniz de poliuretano, denominado por el solicitante como “BONA AMBER” de acuerdo con los procedimientos establecidos en la norma UNE-EN 13501-1:2007+A1:2010 “Clasificación en función del comportamiento frente al Fuego de productos de construcción y elementos para edificación. Parte 1: Clasificación a partir de datos obtenidos en ensayos de Reacción al Fuego”.

This Classification report defines the Reaction to Fire classification of the product polyurethane varnish in water base referenced as “DBX 35 2K” by the applicant on the basis of the procedures established in UNE-EN 13501-1:2007+A1:2010 “Fire classification of construction products and building elements-Part 1: Classification using data from reaction to fire tests”.

2.- DETALLES DEL PRODUCTO OBJETO DE CLASIFICACIÓN DETAILS OF CLASSIFIED PRODUCT

2.1.- GENERAL – GENERAL

El producto definido por el solicitante como “BONA AMBER” se define barniz de poliuretano, según la especificación técnica correspondiente.

The product defined by applicant as “BONA AMBER” are defined as polyurethane varnish. according to the corresponding technical specification.

2.2.- DESCRIPCIÓN – DESCRIPTION

El producto está completamente descrito en el informe de ensayo en el que se basa esta clasificación. Dicho informe se identifica en el capítulo 3 del presente informe.

The product is fully described in the test report is based on. This report is indicated in the chapter 3 of this report.

3.- INFORMES Y RESULTADOS DE ENSAYO EN LOS QUE SE BASA LA CLASIFICACIÓN.

REPORTS AND TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION.

3.1.- ENSAYOS – TEST

Informes de ensayo – Test reports

Laboratorio emisor <i>Issuer laboratory</i>	Solicitante <i>Applicant</i>	Informes <i>Reports</i>	Norma de ensayo <i>Test standard</i>	Condición final de uso <i>End use application</i>
AFITI-LICOF Pol. Ind. Sta. Mª de Benquerencia C/ Río Estenilla, s/n 45007-TOLEDO Organismo notificado nº: <i>Notified body Nr:</i> 1168	BONA AB P.O. Box 21074 20021 – MALMÖ (Suecia/Sweden)	Nº/ Nr: 2956T16 F. emisión: 24-jun-16 <i>Date of issue: 24th-Jun-16</i> F ensayo: 20-ene-16 <i>Test date: 20th-Jan-16</i>	UNE-EN ISO 9239-1:2011	El producto es usado como primer tratamiento de suelos de madera. Dependiendo de la imagen deseada (intensidad de color), puede ser aplicada en 1 – 2 capas. El producto podría ser complementado al final con un recubrimiento superior claro, como es Bona Traffic. <i>The product is used as a primer for treatment of wooden floors. Depending on the desired look (colour intensity) it can be applied in 1-2 layers. The product should always be complemented with a final, clear topcoat such as Bona Traffic.</i>
		F ensayo: 28-ene-16 <i>Test date: 28th-Jan-16</i>	UNE-EN ISO 11925-2:2011	

Resultados de ensayo – Test results

 Informe de ensayo nº 2956T16
 Test report Nr

Método de ensayo <i>Test method</i>	Parámetro <i>Parameters</i>	Número de ensayos <i>Nr. test</i>	Resultados <i>Results</i>	
			Media de parámetro continuo (m) <i>Continuous parameter mean (m)</i>	Parámetros que se tienen que cumplir <i>Compliance with parameters</i>
UNE-EN ISO 9239-1:2011, R.F.P.	CHF (kW/m ²)	1	13,31	No aplicable <i>Non applicable</i>
	HF-30 (kW/m ²)		13,31	No aplicable <i>Non applicable</i>
	Tiempo de extinción (s) <i>Extinction time</i>		---	No aplicable <i>Non applicable</i>
	Propagación máxima <i>Flame spread</i>		-----	No aplicable <i>Non applicable</i>
	TLA-30 (%·min)		8,20	No aplicable <i>Non applicable</i>

Método de ensayo <i>Test method</i>	Parámetro <i>Parameters</i>	Número de ensayos <i>Nr. test</i>	Resultados <i>Results</i>	
			Media de parámetro continuo (m) <i>Continuous parameter mean (m)</i>	Parámetros que se tienen que cumplir <i>Compliance with parameters</i>
UNE-EN ISO 11925-2:2011	F _s ≤ 150 mm	1		
Exposición = 15 s <i>Exposure = 15 s</i>			No aplicable <i>Non applicable</i>	<input checked="" type="checkbox"/> Sí <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Gotas/partículas en llamas <i>Drops / Particles flamed</i>			No aplicable <i>Non applicable</i>	<input type="checkbox"/> Sí <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

4.- CLASIFICACIÓN Y CAMPO DE APLICACIÓN CLASSIFICATION AND FIELD OF APPLICATION

4.1.- NORMA DE CLASIFICACIÓN – CLASSIFICATION STANDARD

La clasificación de la reacción al fuego se ha realizado de acuerdo con lo establecido en la norma UNE-EN 13501-1:2007+A1:2010.
 Reaction to Fire classification according to UNE-EN 13501-1:2007+A1:2010 standard

4.2.- CLASIFICACIÓN – CLASSIFICATION

El producto “BONA AMBER” presenta la siguiente clasificación
 Product “BONA AMBER” reaches the following classification:


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Clasificación de la Reacción al Fuego – Reaction to fire classification

Comportamiento al Fuego Fire Behaviour	—	Producción de humo Smoke production	
B_{fl}		s	1
B_{fl} – s1			

4.3.- CAMPO DE APLICACIÓN – FIELD OF APPLICATION

Según lo establecido en la norma UNE-EN 13238:2011, tiene el siguiente campo de aplicación.
According to UNE-EN 13238:2011 standard, it has the following field of application.

La clasificación obtenida sigue siendo válida para las siguientes variaciones en las características de la muestra, sin que la realización de estas modificaciones suponga la ejecución de nuevos ensayos.
Classification obtained is valid for the following specimen's characteristic variations, without the need of further testing.

Característica/Propiedad Characteristic/Property	Variación permitida Range allowed
– Tipo de producto Kind of product	Barniz de poliuretano Polyurethane varnish
– Sustrato Substrate	Sustratos de fibrocemento con densidad igual o superior a 1350 kg/m ³ . Sustratos con una euroclase A1 ó A2-s1,d0. Fibrecement substrates with density equal or higher to 1350 kg/m ³ . Substrates with a euroclass A1 or A2-s1,d0

5.- LIMITACIONES - LIMITATIONS

Este informe no representa ninguna aprobación de tipo ni certificación del producto.
This document does not represent type approval or certification of the product.

Toledo, 24 de Junio de 2016
Toledo, 24th of June of 2016



Documento Firmado Digitalmente
Digitally Signed Document

Fdo.: David Sáez García
Director Técnico del Laboratorio
de Reacción al Fuego
Technician Director of Fire
Reaction Laboratory



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AFITI
LICOF

Centro de Ensayos e
Investigación del Fuego
Center for Fire Testing and Research

Asociación para el Fomento de la Investigación y la Tecnología de la Seguridad contra Incendios
Association for the Promotion of Research and Fire Safety Technology

Informe de Clasificación nº 2956T16-2
Classification Report Nr



MINISTERIO
DE INDUSTRIA, ENERGÍA
Y TURISMO

MINISTRY OF INDUSTRY, ENERGY AND TOURISM

Tomás de la Rosa Sánchez, Director General de AFITI manifiesta:

- Que AFITI (Asociación para el Fomento de la Investigación y la Tecnología de la Seguridad contra Incendios), es una entidad sin ánimo de lucro.
- Que la titularidad del LICOF (Centro de Ensayos e Investigación del Fuego) es del Ministerio de Industria, Energía y Turismo, R.D. 1614/1985 y O.M. de 21 de mayo de 1991, correspondiendo, por convenio, la gestión a AFITI.
- Que LICOF es el Centro de Ensayos e Investigación del Fuego correspondiente a la Unidad Técnica acreditada por la Entidad Nacional de Acreditación (ENAC), para actuar al amparo del expediente de ENAC nº 41/LEI04.

Tomás de la Rosa Sánchez, General Manager of AFITI declares:

- That AFITI (Association for the Promotion of Research and Fire Safety Technology), is a non profit-making association.
- That the ownership of LICOF (Centre for Fire Testing and Research) is of Ministry of Industry, Energy and Tourism, by R.D. 1614/85 and O.M. on 21st May 1991, corresponding, by agreement, the management to AFITI.
- That LICOF is the Fire Testing and Research Center corresponding to the Technical Unit of Test accredited by the National Accreditation Body (ENAC), to act under file Nr. 41/LE104.

Fdo./Signed: Tomás de la Rosa Sánchez
Director General /General Manager

Reconocimientos / Acreditaciones: MINISTERIO DE INDUSTRIA, ENERGÍA Y TURISMO, MINISTERIO DE FOMENTO, ENAC, IMO y VKF-AEAI / *Recognition / Accreditation: MINISTRY OF INDUSTRY, ENERGY AND TOURISM, MINISTRY OF PUBLIC WORKS, ENAC, IMO & VKF-AEAI.*

Organismo Notificado: ORGANISMO NOTIFICADO A LA COMISIÓN EUROPEA CON EL N° 1168 / *Notify Body: THE EUROPEAN COMMISSION WITH NR. 1168.*

Miembro de: AELAF, AENOR, ASELF, AIDICO, EGOLF & NFPA.
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