



ROK ZAŁOŻENIA
ESTABLISHED IN
1952

JEDNOSTKA
NOTYFIKOWANA
NR 1583
NOTIFIED BODY
No. 1583



AC 098

CERTYFIKAT AKREDYTACJI
JEDNOSTKI CERTYFIKUJĄCEJ WYROBY
ACCREDITATION CERTIFICATE
FOR PRODUCT CERTIFICATION BODY



AB 088

CERTYFIKAT AKREDYTACJI
LABORATORIUM BADAWCZEGO
ACCREDITATION CERTIFICATE
OF TESTING LABORATORY



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POLSKA PLATFORMA
TECHNOLOGICZNA SEKTORA
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Poznań, September 17th, 2008

Reaction to fire classification report

1 Introduction

This classification report defines the classification assigned to lacquer Bona Novia in accordance with the procedures given in EN 13501-1:2007.

CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH EN 13501-1:2007

Sponsor:	Bona AB Murmansgatan 130 SE-200 21 Malmö Sweden
Prepared by:	Wood Technology Institute ul. Winiarska 1 PL-60-654 Poznań Poland
Notified Body No.:	1583
Product name:	lacquer Bona Novia
Classification report No.:	5/2008
Issue number:	1
Date of issue:	September 17 th , 2008

This classification report consists of four pages and may only be used or reproduced in its entirety.

2 Details of classified product

2.1 General

The product: lacquer Bona Novia is defined as a one-component waterborne finish for the surface treatment of wooden floors. The tests were carried out on the coat consisting of three layers of the lacquer applied on fire-resistant particleboard of class B_{fl}. The thickness of particleboard was 12 mm.

2.2 Product description

The product: lacquer Bona Novia is described below.

Type of finish	1-component waterborne dispersion
Solids content	Approx. 30%
Solvent content	Max. 60 g/l VOC
Viscosity	Approx. 20 s (25°C, FC4)
Resistance to wear	Approx. 8 mg/100 revolutions (SIS 923509)
Sheen (at 60°)	45-50
Drying time	1-2 hours at 20°C and 60% R.H.
Application rate	8-10 m ² /l (120-100 g/m ²) per coat

3. Test reports & test results in support of classification

3.1 Test reports

Name of Laboratory	Name of sponsor	Test reports Nos.	Test method
Wood, Wood-Based Materials, Packaging, Furniture, Wooden Constructions and Woodworking Machines Testing Laboratory of Wood Technology Institute in Poznań	Bona AB Murmansgatan 130 SE-200 21 Malmö Sweden	48/2008	EN ISO 9239-1 (radiant heat source method)
Wood, Wood-Based Materials, Packaging, Furniture, Wooden Constructions and Woodworking Machines Testing Laboratory of Wood Technology Institute in Poznań	Bona AB Murmansgatan 130 SE-200 21 Malmö Sweden	49/2008	EN ISO 11925-2 (direct impingement of single flame method)

3.2 Test results

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
EN ISO 9239-1 (radiant heat source method) A-907-BOŚ/2008	Critical heat flux (kW/m ²)	4	10.81	–
	Smoke production (%·min)		3.97	–
EN ISO 11925-2 (direct impingement of single flame method) A-907-BOŚ/2008	Reaching by the top of flame of distance of 150 mm in 15 s	6	NO	compliant

4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1:2007.

4.2 Classification

The product: lacquer Bona Novia in relation to its reaction to fire behaviour is classified:

B_n

The additional classification in relation to smoke production is:

s1

The format of the reaction to fire classification for floorings is:

Fire behaviour		Smoke production	
		s	1
B_n	–	s	1

i.e. **B_n–s1**

Reaction to fire classification: B_{fl}–s1

4.3 Field of application

This classification is valid for the above-mentioned product used only on floorings or bases of fire-resistance classes A1_{fl} and A2_{fl}.

The classification obtained by the product is valid for the following end uses:

- The product is intended for surface treatment of wooden floors in domestic areas.

5 Limitations

This classification document does not represent type approval or certification of the product.

This document is valid until **September 17th 2011** provided that neither the composition nor production technology of the material (product) are changed.

SIGNED

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APPROVED

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