

KOMO[®] product certificate

Semi-manufactured product

SKH

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ADHESIVES FOR NON-LOAD BEARING APPLICATIONS

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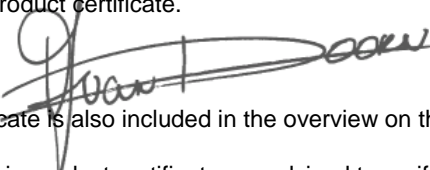
Declaration of SKH

This product certificate is based upon BRL 2339 'Adhesives for non-load bearing applications' dd. 06-09-2012, issued by SKH, in conformity with the SKH Regulations for Certification.

SKH declares that:

- there is a legitimate confidence that the adhesives for non-load bearing applications manufactured by the producer continuously complies with the technical specifications laid down in this product certificate, provided that the adhesives for non-load bearing applications have been marked with the KOMO[®]-mark in a way as indicated in this product certificate.

For SKH



drs. H.J.O. van Doorn, director

The certificate is also included in the overview on the website of the KOMO foundation: www.komo.nl.

Users of this product certificate are advised to verify whether this certificate is still valid; consult the SKH-website: www.skh.org.

This product certificate consists of 3 pages.

The Dutch version shall be consulted in case of doubt.

Evaluated is:
quality system
product
Periodical inspection

ADHESIVES FOR NON-LOAD BEARING APPLICATIONS

1 PRODUCT SPECIFICATION

1.1 Technical specification

Adhesives for non-load bearing applications manufactured by the producer comply with the requirements of BRL 2339 'Adhesives for non-load bearing applications'. This means that all mentioned glue-hardener combinations are tested according to:

NEN-EN 204 Classification of wood adhesives for non-structural applications.

NEN-EN 205 Adhesives - Wood adhesives for non-structural applications - Determination of tensile shear strength of lap joints.

NEN-EN 14257 Adhesives - Wood adhesives - Determination of tensile strength of lap joints at elevated temperature (WATT'91)

and are thus admitted for general exterior application.

Adhesive/hardener combinations labelled with 'a' are also tested in accordance with class BGVT of AD 2902 'Optimized timber non-load bearing applications' and therefore admitted for use in laminating

Adhesive/ hardener combinations labelled with 'b' are also tested in accordance with class BGVT of AD 1704-2 'Finger-jointed timber for non-loadbearing applications' and therefore admitted for use in finger jointing.

Adhesive/hardener combinations labelled with 'c' are also tested in accordance with paragraph 4.1.4 of AD 2339 'Adhesives for non-load bearing applications' and therefore admitted for use in façade joinery.

Adhesives, which are suitable for exterior application, also comply with the requirements D1, D2 and D3 for interior applications.

Table 1 Adhesives for exterior applications

Product name	Hardener	Type of adhesive	Certified combination adhesive with														
			Iroko	Larch	Makoré /Douka	Meranti	Merbau	Moabi	Oregon pine	Pitch pine	Robinia	Sapeli	Sapupira /Angelim Pedra	Seraya, white	Sipo	Spruce/Pine	Western Red Cedar
Rakoll Duplit AL-Neu	Rakoll Duplit Hardener colorless (5%)	PVAc		c	c	c	c*		c			c				c	
Rakoll Duplit AS-Neu	Rakoll Duplit Hardener colorless (5%)	PVAc		c	c	c	c*		c			c				c	
Rakoll GXL 3	Rakoll Hardener GXL 3	EPI					c										
Rakoll GXL 4		PVAc	c	c	c	c	c*	c	c			c			c	c	
Rakoll GXL 4 Plus		PVAc	c	c	c	c	c*	c	c			c			c	c	
Rakolitt 280	Rakolitt Hardener WS11 (14%)	EPI	c	c		ab	bc	sc	c	c	c	c	c	c		ab	c

*: different press times, see data sheet

a: Allowed for laminating

b: Allowed for finger jointing

c: Allowed for joinery

ADHESIVES FOR NON-LOAD BEARING APPLICATIONS

1.2 Marking

The products are marked with the KOMO[®]-mark.

The depiction of this mark is as follows:

- word mark KOMO[®] or logo;
- field of application:
 - exterior general;
 - exterior laminating;
 - exterior finger joints;
 - exterior façade joinery;
 - interior D3 or D2 or D1 (depending on the class the adhesive complies with);
- no. **32637**;
- batch number;
- expiry date or production date in combination with the maximum storage time.



Location of the mark: clearly visible on each delivered unit. In the case of a tank truck the above mentioned information must be on the delivery note.

The product information sheet at least contains the following information:

- the wood species that can be fixed with the adhesive;
- the ratio in which the adhesive and hardener should be mixed;
- the application process.

2 SUGGESTIONS FOR THE USER

2.1 On delivery of adhesives for non-load bearing applications inspect whether:

- what has been ordered has been supplied;
- the mark and the method of marking are correct;
- the products show no visible defects as a result of transport etc.

In the event that on account of the above it should be decided to reject the products, the following organisation(s) should be contacted:

H.B. Fuller GmbH

and if necessary:

The certification-body SKH
Office building 'Het Cambium'
Nieuwe Kanaal 9c, 6709 PA Wageningen, the Netherlands
P.O. Box 159, 6700 AD Wageningen, the Netherlands
Telephone: +31 (0) 317 45 34 25 E-mail: mail@skh.org
Fax: +31 (0) 317 41 26 10 Website: <http://www.skh.org>

2.2 Product certificate

It is the duty of the producer to make sure that the buyer receives a copy of the complete product certificate.

2.3 Application and use

Transport, storage and processing shall be effected in accordance with the working instructions included in this product certificate.

2.4 Period of validity

Consult the SKH-website <http://www.skh.org> to verify whether the product certificate is still valid.