



KOMO[®] product certificate

Semi-manufactured product

Stichting Keuringsbureau Hout SKH

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ADHESIVES FOR NON-LOAD BEARING APPLICATIONS

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Producer

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Declaration of SKH

This product certificate is based on BRL 2339 "Adhesives for non-load bearing applications", issued by SKH, in conformity with the SKH Regulations for Certification.

SKH declares that there is a legitimate confidence that adhesives for non-load bearing applications, manufactured by the producer comply with the technical specification laid down in this product certificate, provided that the units are marked with the KOMO[®]-logo as indicated in this product certificate.

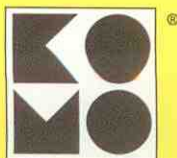
For SKH

R. Wigboldus, director

Users of this product certificate are advised to ask SKH whether this document is still valid.

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.

WATT'91 Bestimmung der Klebfestigkeit von Längsklebung im Zugversuch in der Wärme: WATT'91; Wood Adhesives Temperature Test.

and are thus admitted for fingerjointing.

Glue-hardener combinations labelled with "a" have in addition been tested according to: Immersion test according to BRL 2339 "Adhesives for non-load bearing applications", Appendix 1, part 2a. Accelerated weathering according to BRL 2339 "Adhesives for non-load bearing applications", Appendix 1, part 2a and are therefore allowed for laminating.

Glue-hardener combinations labelled with "c" have in addition been tested according to: Accelerated weathering according to BRL 2339 "Adhesives for non-load bearing applications", Appendix 1, part 2c and are therefore allowed for joints in wooden façade elements.

Name of product	Name of hardener	Type	Certified combination of adhesive with															
			Hemlock/Hemfir	Iroko	Larch	Makoré	Meranti	Merbau	Moabi	Oregon pine	Pitch Pine	Robinia	Sapeli	Sapupira	Sipo	Spruce/Pine	Western Red Cedar	White Seraya
Rakoll Duplit AL - Neu	Rakoll Duplit hardener Farblos (5%)	PVAc			ac	c	c	c ¹		c			c			ac		
Rakoll Duplit AS - Neu	Rakoll Duplit hardener Farblos (5%)	PVAc			ac	c	c	c ¹		c			c			ac		
Rakoll GXL 3	Rakoll hardener GXL 3	EPI						c										
Rakoll GXL 4	-	PVAc		c	ac	c	c	c ¹	c	c			c		c	ac		
Rakoll GXL 4 Plus	-	PVAc		c	ac	c	c	c ¹	c	c			c		c	ac		
Rakollit 280	Rakollit hardener WS 1 I (15%)	EPI	ac	c	ac		a	ac	c	c	c	c	a	c	a	a	c	c

¹ Press time: 2 times as long as usual.

a: allowed for laminating.

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:

- wordmark KOMO[®] or logo;
- lijmen GVT;
- no. 32637;



with compulsory designation:

- the final date of expiry.

Location of the mark: clearly visible on each delivered unit.

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 Stichting Keuringsbureau Hout 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

The producer is obliged to see to it that the purchaser shall have a copy of the complete product certificate at his disposal.

2.3 Application and use

The adhesives are meant for application in joinery for the purpose of (house-)construction.

2.4 Period of validity

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