

KOMO[®] product certificate

SKH

Nieuwe Kanaal 9F, 6709 PA Wageningen, The Netherlands
Telephone: +31 (0)317 45 34 25
E-mail: mail@skh.nl
Website: http://www.skh.nl

FILM FORMING COATINGS FOR APPLICATION ON TIMBER

Number: 32999/23
Issued: 29-11-2023
Replaces: 32999/20

Producer

Anker Stuy Verven B.V.
Hellingwal 1
8407 EM TERWISPEL
THE NETHERLANDS
Tel. +31 (0)513 46 50 00
E-mail: info@ankerstuy.nl
Website: http://www.ankerstuy.nl

SKH declaration

This product certificate has been issued by SKH on the basis of AD 0814 'Film forming coatings for application on timber' dd. 05-07-2016, in combination with AD 7010 'Renewable or recycled content of the KOMO[®] certified product' dd. 14-01-2022, published in accordance with the SKH Regulations for Certification.

The quality system and product characteristics of the film forming coatings for the application on timber mentioned in this product certificate are periodically checked.

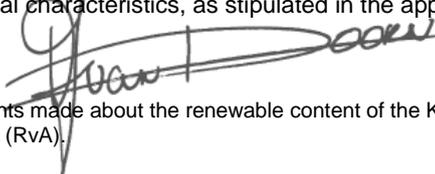
Based on this, SKH declares that:

- There is a legitimate confidence that the film forming coatings for application on timber manufactured by the producer upon delivery meets:
 - the technical specification(s) as laid down in this product certificate;
 - the product specification(s) as laid down in this certificate and in AD 0814.

Provided that the film forming coatings for the application on timber features the KOMO[®] mark in a manner as indicated in this product certificate.

The essential characteristics, as stipulated in the applicable European standard, form no part of this quality declaration.

For SKH



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

* All statements made about the renewable content of the KOMO[®] certified product (BRL 7010) are beyond the scope of the Council for Accreditation (RvA).

This product certificate is also included in the overview on the website of the KOMO foundation: <http://www.komo.nl>.

Users of this product certificate are advised to verify whether this certificate is still valid; consult the SKH-website: <http://www.skh.nl>.

This product certificate consists of 3 pages and 4 appendices.

The Dutch version shall be consulted in case of doubt.

KOMO[®] product certificate

Page 2 of 3
Number: 32999/23
Issued: 29-11-2023

FILM FORMING COATINGS FOR APPLICATION ON TIMBER

1 PRODUCT SPECIFICATONS

1.1 Technical specifications

The film forming coatings for application on timber manufactured by the producer comply with the requirements of AD 0814 'Film forming coatings for application on timber'

1.1.1 Opaque coatings

Opaque coatings complying with AD 0814 'Film forming coatings for application on timber'

Product code	Description coating system	Approved colours	Process parameters
170546 170533	1 layer Aplex Aqua basisverf Sproei 1 layer Aplex Aqua basisverf S	All colours	Appendix A
170533	2 layers Aplex Aqua basisverf S	All colours	Appendix B
170606	2 layers Aplex Aqua Basisverf Excellent	All colours	Appendix B
170547	2 layers Aplex Aqua basisverf D	All colours	Appendix B
170546 170533	1 layer Aplex Aqua basisverf Sproei 1 layer Aplex Aqua basisverf S / MB	All colours	Appendix A
170576	2 layers Aplex Aqua basisverf S / MB	All colours	Appendix B
170552	2 layers Aplex Aqua basisverf G / MB	All colours	Appendix B
170599	2 layers Aplex Aqua basisverf MB VC	All colours	Appendix B
170634	2 layers Aplex Aqua Systeemcoat ZM	All colours	Appendix B
170536	2 layers Hydrolux Basecoat S Mat	All colours	Appendix D
170540	2 layers Hydrolux Filler S	All colours	Appendix D

1.1.2 Translucent coatings

Translucent coatings complying with AD 0814 'Film forming coatings for application on timber'

Product code	Description coating system	Approved colours	Process parameters
170672	3 layers Aplex Aqua Systeemcoat S TP Satin	naturel	Appendix C

The most critical colour is the lightest colour tested in accordance with AD 0814.

1.2 Marking

The products produced in accordance with AD 0814 shall be provided with the KOMO[®]-mark.

The execution of this mark is as follows:

- KOMO[®] trademark or logo;
- no. **32999**;
- the batch number;
- the expiration date or the production date with a shelf life.



In addition to the above the following product information shall at least be mentioned:

- the toxicity indication;
- application instructions.

FILM FORMING COATINGS FOR APPLICATION ON TIMBER

2 SUGGESTIONS FOR THE USER

2.1 On delivery of film forming coatings for application on timber inspect whether:

- the products comply with the contract of sale;
- the marks and the manner of marking are correct;
- the products do not show any visible defects due to transport or similar causes.

If the products are rejected on the basis of the above, the user should contact:
Anker Stuy Verven B.V. and when necessary: The certification body SKH.

2.2 Product certificate

It is the responsibility of the certificate holder to make sure the user of is able to consult the full certificate at any moment.

2.3 Application and use

The film forming coatings are intended as primer in order to (temporary) protect the timber intended for exterior use. When applying these systems, the conditions as laid down in SKH-Publication 98-04 'Conditions and internal quality controls for the industrial application of joinery with water-based paints'. In order to obtain sufficient protection against climatic conditions, one or more layers of a topcoat must be applied.

It is forbidden to use translucent primer systems (Concept I, according AD 0801) in KOMO[®] certified materials unless the primer system is upgraded to a mid- or topcoat system (Concept II or III, according AD 0801).

2.4 Validity

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

APPENDIX A*

**GOES WITH SKH-KOMO® PRODUCT CERTIFICATE
'FILM FORMING COATINGS FOR APPLICATION ON TIMBER', NUMBER 32999**

APPENDIX A

Minimal process parameters

	Application	Flowcoat		
LAYER 1	Time DIN cup		12-13 s DIN4	
	Wet layer thickness		± 35 µm	
	Flash off (per layer)	Temp		≥15°C
		RH		50-80%
		Air velocity		Null
		Time		10-15 min.
		Radiation heat		n.a.
	Drying (per layer)	Temp		≥15°C
		RH		<75%
		Air velocity		>0,2 m/s
Radiation heat			n.a.	
	Time		>2 hours	
Dry layer thickness			5 – 15 µm	
LAYER 2	Application	Spray		
	Time DIN cup		n.a.	
	Wet layer thickness		200 – 240 µm	
	Flash off (per layer)	Temp		≥15°C
		RH		50-80%
		Air velocity		Null
		Time		10-15 min.
		Radiation heat		n.a.
	Drying (per layer)	Temp		≥15°C
		RH		<75%
		Air velocity		>0,2 m/s
		Radiation heat		n.a.
		Time		>4 hours
Dry layer thickness			75 – 90 µm	
Final drying	Temp		≥15°C	
	RH		<75%	
	Time		>48 hours	
	Total dry layer thickness		80 – 100 µm	

*This Appendix A is only valid in combination with the SKH-KOMO® product certificate 'Film-forming coatings for application on timber', number 32999 dd. 29-11-2023.

**GOES WITH SKH-KOMO® PRODUCT CERTIFICATE
'FILM FORMING COATINGS FOR APPLICATION ON TIMBER', NUMBER 32999**

APPENDIX B**Minimal process parameters**

	Application	Spray		
LAYER 1	Time DIN cup		n.a.	
	Wet layer thickness		120 – 180 µm	
	Flash off (per layer)	Temp		≥15°C
		RH		50-80%
		Air velocity		Null
		Time		5 – 15 min.
	Drying (per layer)	Radiation heat		n.a.
		Temp		≥15°C
		RH		<75%
		Air velocity		>0,2 m/s
Dry layer thickness	Radiation heat		n.a.	
	Time		>4 hours *	
			50 – 70 µm	
LAYER 2	Application	Spray		
	Time DIN cup		n.a.	
	Wet layer thickness		120 – 180 µm	
	Flash off (per layer)	Temp		≥15°C
		RH		50-80%
		Air velocity		Null
		Time		10 – 15 min.
	Drying (per layer)	Radiation heat		n.a.
		Temp		≥15°C
		RH		<75%
Air velocity			>0,2 m/s	
Dry layer thickness	Radiation heat		n.a.	
	Time		>2 hours	
			50 – 70 µm	
Final drying	Temp		≥15°C	
	RH		<85%	
	Time		>48 hours	
	Total dry layer thickness		80 – 100 µm	

* In case of wood species with tannins drying between the first and second layer should at least be 16 hours

**GOES WITH SKH-KOMO® PRODUCT CERTIFICATE
'FILM FORMING COATINGS FOR APPLICATION ON TIMBER', NUMBER 32999**

APPENDIX C**Minimal process parameters**

	Application	Spray		
LAYER 1	Time DIN cup		n.a.	
	Wet layer thickness		100 – 150 µm	
	Flash off (per layer)	Temp		≥15°C
		RH		50-80%
		Air velocity		Null
		Time		5 – 15 min.
	Drying (per layer)	Radiation heat		n.a.
		Temp		≥15°C
		RH		<75%
		Air velocity		>0,2 m/s
Dry layer thickness	Radiation heat		n.a.	
	Time		>2 hours #	
			40 – 60 µm	
LAYER 2	Application	Spray		
	Time DIN cup		n.a.	
	Wet layer thickness		100 – 150 µm	
	Flash off (per layer)	Temp		≥15°C
		RH		50-80%
		Air velocity		Null
		Time		5 – 15 min.
	Drying (per layer)	Radiation heat		n.a.
		Temp		≥15°C
		RH		<75%
Air velocity			>0,2 m/s	
Dry layer thickness	Radiation heat		n.a.	
	Time		>4 hours*	
			40 – 60 µm	
LAYER 3	Application	Spray		
	Time DIN cup		n.a.	
	Wet layer thickness		100 – 150 µm	
	Flash off (per layer)	Temp		≥15°C
		RH		50-80%
		Air velocity		Null
		Time		5 – 15 min.
	Drying (per layer)	Radiation heat		n.a.
		Temp		≥15°C
		RH		<75%
Air velocity			>0,2 m/s	
Dry layer thickness	Radiation heat		n.a.	
	Time		>2 hours	
			40 – 60 µm	
Final drying	Temp		≥15°C	
	RH		<85%	
	Time		>48 hours	
	Total dry layer thickness		120 – 180 µm	

* In case of wood species with tannins drying between the first and second layer should at least be 16 hours

APPENDIX D*

**GOES WITH SKH-KOMO® PRODUCT CERTIFICATE
'FILM FORMING COATINGS FOR APPLICATION ON TIMBER', NUMBER 32999**

APPENDIX D

Minimal process parameters

	Application	Spray		
LAYER 1	Time DIN cup		n.a.	
	Wet layer thickness		100 – 130 µm	
	Flash off (per layer)	Temp		≥ 15°C
		RH		≥ 50%
		Air velocity		null
		Time		2 – 10 min.
		Radiation heat		n.a.
	Drying (per layer)	Temp		≥18°C
		RH		≤ 65%
		Air velocity		≥ 0,2 m/s
Radiation heat			n.a.	
	Time		≥ 4 hours	
Dry layer thickness			50 – 60 µm	
LAYER 2	Application	Spray		
	Time DIN cup		n.a.	
	Wet layer thickness		100 – 130 µm	
	Flash off (per layer)	Temp		≥ 15°C
		RH		≥ 50%
		Air velocity		null
		Time		2 – 10 min.
		Radiation heat		n.a.
	Drying (per layer)	Temp		≥18°C
		RH		≤ 65%
		Air velocity		≥ 0,2 m/s
		Radiation heat		n.a.
		Time		≥ 4 hours
	Dry layer thickness			50 – 60 µm
Final drying	Temp		≥ 15°C	
	RH		≤ 75%	
	Time		≥ 60 hours	
	Total dry layer thickness		100 – 120 µm	

*This Appendix D is only valid in combination with the SKH-KOMO® product certificate 'Film-forming coatings for application on timber', number 32999 dd. 29-11-2023.

KOMO[®] product certificate-addendum AD 7010

RENEWABLE OR RECYCLED CONTENT OF THE KOMO[®] CERTIFIED PRODUCT, FOR FILM FORMING MID- AND TOPCOAT SYSTEMS ON TIMBER

Page: 1 of 2
 Number: 32999/23
 Issued: 29-11-2023

1 TECHNICAL SPECIFICATION

This product certificate-addendum covers the product characteristics of all products mentioned in Table 1.

2 MARKS AND DESIGNATIONS ON THE PRODUCTS / PACKAGING / DELIVERY DOCUMENTS

The products/packaging/delivery notes must be marked with:

- The KOMO[®]-logo including the logo for the correct class of the renewable content, followed by the certificate number of the SKH-KOMO[®] product certificate to which the product certificate-addendum is added, without version number.
- Name of the certificate holder.

3 TERMS AND DEFINITIONS

See chapter 2 of AD 7010.

4 PRODUCT CHARACTERISTICS

The table below (table 1.) lists the product characteristics that are part of this product certificate-addendum. These characteristics meet the requirements as specified in this table.

Table 1 Renewable content of KOMO[®] certified products

Product	Renewable content	
	Class	Percentage
170533 Aplex Aqua Basisverf S, all colours	3  	50%
170634 Aplex Aqua Systeemcoat ZM, all colours	3  	50%
170576 Aplex Aqua Basisverf MB all colours	3  	50%
170599 Aplex Aqua Basisverf MB VC all colours	3  	50%



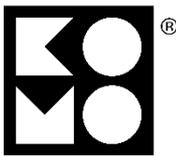
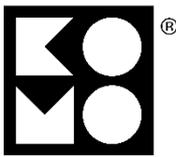
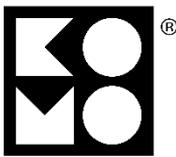
KOMO® product certificate-addendum AD 7010

RENEWABLE OR RECYCLED CONTENT OF THE KOMO®

CERTIFIED PRODUCT, FOR FILM FORMING MID- AND TOPCOAT SYSTEMS ON TIMBER

Page 2 of 2
 Number: 32999/23
 Issued: 29-11-2023

Continuation table 1, Renewable content of KOMO® certified products

Product	Renewable content		Percentage
	Class		
170552 Apex Aqua Basisverf G / MB all colours	3	 	50%
170606 Apex Aqua Basisverf Excellent all colours	3	 	50%
170564 Apex Aqua Systeemcoat SG, all colours	3	 	49%
170672 Apex Aqua Systeemcoat STP, lightest colour allowed TR2063 naturel	3	 	47%

5 SUGGESTIONS FOR THE USER

On delivery of film forming mid- and top coat systems on timber check whether:

- the systems comply with the contract of sale;
- the identification and the manner of identification are correct;
- the information sheets have been received;
- the products do not show any visible defects due to transport or similar causes.

If the products are rejected on the basis of the above, contact shall be made with:
 Anker Stuy Verven B.V. and if necessary with the certification-body SKH.

Consult the SKH-website: www.skh.nl to verify whether the product certificate-addendum is still valid.