



Covenant K-0216625-1

Issued 2024-06-01

Replaces -

Page 1 of 6

Ubiflex Finio

STATEMENT BY KIWA

With this Covenant, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

Ubbink B.V.

as specified in this product certificate and marked with the Kiwa®-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with Kiwa Manual K15013 "Kiwa Covenants for products and processes", dated May 2022.

Ron Scheepers
Kiwa

Publication of this certificate is allowed.

Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

Kiwa Nederland B.V.
Sir Winston Churchillaan 273
Postbus 70
2280 AB RIJSWIJK
The Netherlands
Tel. +31 88 998 44 00
Fax +31 88 998 44 20
info@kiwa.com
www.kiwa.com

Supplier
Ubbink B.V.
Verhuellweg 9
6984 AA DOESBURG
The Netherlands
Tel. +31 (0) 313 480 200
info@ubbink.com
www.ubbink.com

961180711

COVENANT

Ubiflex Finio

1 Scope of the Kiwa Covenant

1.1 Definition of Ubiflex Finio

Lead Free Flashing made of a combination of aluminum mesh, covered by butyl with self-adhesive strips.

Specification nominal value:

Length:	5 m / 10 m	(other sizes on request)
Width:	15 to 100 cm	
Thickness (incl. adhesive):	1.9 mm (2.7 mm)	
Delivered:	on roll	
Colour:	black, grey and terracotta	

Intended use of Ubiflex Finio

- Ubiflex Finio can be used as a water barrier in (cavity) walls and under casings;
- At the intersection between chimney bases and roof tiles;
- At chimney flashings to provide a water barrier;
- Ubiflex Finio can be applied to the base of dormers and skylights as a waterproofing layer and at the joint between dormer side walls and tiled roofs;
- As a watertight connection between an outside wall and an extension. Use Ubiflex Finio masonry clips to attach Ubiflex Finio to masonry joints;
- Ubiflex Finio can be used as valley gutters and waterproofing on the ridges of (tiled) roofs.

1.2 Assumed working life of the waterproofing system

"The provisions and the verification and assessment methods included or referred to in this Kiwa Covenant have been written based upon the assumed working life of the waterproofing system for the intended use of at least the life expectancy of the waterproofing system of 30 years. These provisions are based upon the current state of the art and the available knowledge and experience.

"Assumed working life" means that, when an assessment following the Kiwa Covenant provisions is made, and when this working life has elapsed, the real working life may be, in normal use conditions, considerably longer without major degradation affecting the requirements.

The indications given as to the working life of the construction product cannot be interpreted as a guarantee given by the product manufacturer or his representative or Kiwa Nederland B.V. issuing the Kiwa Covenant, but are regarded only as a means for choosing the appropriate products in relation to the expected economically reasonable working life of the works.

2 Fitness for use

2.1 Meaning of 'fitness for use'

'Fitness for (the intended) use' of the flashing system means that the products have such characteristics that Ubiflex Finio, when properly designed and built, satisfies the requirements of this Kiwa Covenant and is fit for its intended use and in this connection satisfies the requirements of this Kiwa Covenant, when properly installed.

2.2 Assessment of fitness for use

The relevant characteristics of the waterproofing system for its fitness for use (requirements) and the required verification methods to be employed are given in chapter 3, as well as the actual performed assessment of fitness for use and proven conformance to the relevant characteristics of the waterproofing system and its components.

Ubiflex Finio

3 Relevant characteristics of the waterproofing system, the required verification methods and the assessments of fitness for use
3.1 Dimensions

Characteristic	Verification Method	Assessment of the characteristic
Length	EN 1848-2	5,0 m / 10,0 m
Width	EN 1848-2	15 to 100 cm
Thickness (incl. adhesive)	EN 1849-2	1,9 mm (2,7 mm)
Mass / m ²	EN 1849-2	2,8 kg/m ²
Dimensional stability	EN 1107-2	Length direction -0,2 % Width direction 0,1%

3.2 Reaction to fire

Characteristic	Verification Method	Assessment of the characteristic
Reaction to Fire`	EN ISO 11925-2:2020	Class E

3.3 Functional properties

Characteristic	Verification Method	Assessment of the characteristic
Water tightness	EN 1928 - B	60 kPa - passed
Water tightness after thermal ageing at 80 °C, 12 weeks	EN 1928 - B	60 kPa - passed
Water tightness after 6000 hrs UV ageing*	EN 1928 - B	60 kPa - passed
Water absorption	M.O.A.T 66	0,1 %
Water Vapour transmission	EN 1931	Density moisture flow rate (g): $1,84 \cdot 10^{-10} \text{ kg} \cdot \text{m}^{-2} \cdot \text{s}^{-1}$ Moisture resistance factor (μ): 1.360.000
Water Vapour transmission after thermal ageing at 80 °C, 12 weeks	EN 1296 + EN 1931	Density moisture flow rate (g): $2,25 \cdot 10^{-11} \text{ kg} \cdot \text{m}^{-2} \cdot \text{s}^{-1}$ Moisture resistance factor (μ): 1.100.000

*) Repeating test cycle: 4 hrs. UVB with irradiance 0,66 W/m², 50 °C, followed by 4 hrs. condensation, 40 °C

3.4 Mechanical properties

Characteristic	Verification Method	Assessment of the characteristic
Tensile properties:		
Maximum tensile force length direction	EN 12311-2	≥ 200 N/50 mm
Maximum tensile force width direction	EN 12311-2	≥ 550 N/50 mm
Elongation at break length direction	EN 12311-2	≥ 90 %
Elongation at break width direction	EN 12311-2	≥ 12 %
Static loading		
soft support (A)	EN 12730	10 kg
hard support (B)	EN 12730	0 kg

Ubiflex Finio

Impact resistance		
hard support (A)	EN 12691	450 mm
soft support (B)	EN 12691	1000 mm
Hail resistance	EN 13583	
hard support		22 m.s ⁻¹
soft support		38 m.s ⁻¹

Low temperature foldability	EN 495-5	-20 °C
Low temperature foldability after thermal ageing at 80 °C, 12 weeks	EN 495-5	-20 °C

3.5 Raw materials

Raw materials are inspected upon arrival according to procedures laid down in ISO 9001:2015 manual per certificate: KSC-K55806/04

Characteristic	Verification Method	Assessment of the characteristic
Ash residue	ISO 3451-1	48 %

3.6 Strength of adhesive

Peel strength 90° concrete				
initial	BRL 1511-1		52 N/50mm	
after 4 weeks at 80 °C	BRL 1511-1		95 N/50mm	
Peel strength 90° aluminium				
initial	BRL 1511-1	BRL 1511-1	60 N/50mm	X N/50mm
after 4 weeks at 80 °C	BRL 1511-1	BRL 1511-1	122 N/50mm	X N/50mm
Peel strength 90° concrete roof tiles				
initial	BRL 1511-1		58 N/50mm	
after 4 weeks at 80 °C	BRL 1511-1		46 N/50mm	
Peel strength 90° gas concrete				
initial	BRL 1511-1		45 N/50mm	
after 4 weeks at 80 °C	BRL 1511-1		157 N/50mm	
Peel strength 90° wood				
initial	BRL 1511-1	BRL 1511-1	49 N/50mm	X N/50mm
after 4 weeks at 80 °C	BRL 1511-1	BRL 1511-1	152 N/50mm	X N/50mm
Peel strength 90° ceramic roof tile				
initial	BRL 1511-1		69 N/50mm	
after 4 weeks at 80 °C	BRL 1511-1		94 N/50mm	
Peel strength 90° aged zinc				
initial	BRL 1511-1		78 N/50mm	
after 4 weeks at 80 °C	BRL 1511-1		108 N/50mm	

Ubiflex Finio

4. Initial inspection and continuous surveillance by Kiwa

4.1 Initial inspection

During an initial inspection the IQC-scheme is audited, testing is witnessed and samples are taken for verification. Continuous surveillance will be performed two times a year, during which the process, the IQC-scheme is inspected.

4.2 Continuous surveillance

Test frequency

Characteristic	Method	Test frequency
Formulation used	Signed document	Once per visit
Length	EN 1848-2	once per batch / in-house
Width	EN 1848-2	once per batch in-house
Thickness	EN 1849-2	once per batch in-house
Mass / m ²	EN 1849-2	once per batch in-house
Visual defects	EN 1850-2	once per batch in-house
Dimensional stability	EN 1107-2	once per 5 years
Reaction to fire	EN ISO 11925-2	once per 5 ^{*)} years
Water tightness	EN 1928	once per 5 years
Water absorption	M.O.A.T. 66	once per 5 years
Water vapour transmission	EN 1296 + EN 1931	once per 5 years
Tensile properties	EN 12311-2	once per month in-house
Static loading	EN 12730	once per 5 years
Impact resistance	EN 12691	once per 5 years
Hail resistance	EN 13583	once per 5 ^{*)} years
Low temperature foldability	EN 495-5	once per 5 years
Low temperature foldability after ageing	EN 495-5	once per 5 years
Ash residue	ISO 3451-1	
Peel resistance	EN 12316-2	once per 5 ^{*)} years

^{*)} In case of unchanged materials and or unchanged production process the frequency may be expanded to 10 years.

5. Contitions under which the fitness for the intended use is assessed

5.1 Manufacture of the product

Ubiflex Finio is produced from a combination of materials according to written specifications as documented in the formulation. The formulation is part of the IQC-scheme and of the audits performed by Kiwa.

The production facility is situated in Wapenveld, The Netherlands.

The product is produced in rolls:

- Nominal thickness (incl. adhesive) 1,9 mm (2,7 mm);
- Nominal length 5,0 m / 10,0 m
- Nominal width 15 - 100 cm;
- Each roll shall carry a batch number;
- Each roll shall carry the Kiwa word mark: Kiwa, the certificate number or the applicable logo.

Ubiflex Finio

5.2 Application instruction

For current application instructions refer to the packaging.

5.3 Recommendations for customers

Check at the time of delivery whether:

- the supplier has delivered in accordance with the agreement;
- the mark and the marking method are correct;
- the products show no visible defects as a result of transport etc.

If you should reject a product on the basis of the above, please contact:

Ubbink B.V.

and, if necessary,

Kiwa Nederland B.V.

Consult the supplier's processing guidelines for the proper storage and transport methods.