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Issued	2013-07-02	First issue	2013-07-02
Valid until	n.a.	Scope	ETAG 026, Part 1 and 2

EC-CERTIFICATE OF CONFORMITY AoC 1

Notified Body 0620, Kiwa N.V. has determined that

Beele Engineering B.V.

Fulfils all provisions concerning the attestation of conformity and the performances described in ETA 13/0153 and are applied and that the product fulfils all the prescribed requirements.

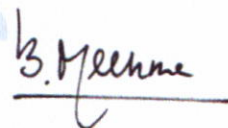
Product: NOFIRNO sealing system

Task Beele Engineering B.V.

Factory Production Control
Further testing of Samples

Task Kiwa Nederland B.V.

Initial Type Testing
Certification of FPC
Continuous surveillance



Bouke Meekma
Kiwa

This certificate consists of 2 pages.
Publication of the certificate is allowed.

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EC-CERTIFICATE OF CONFORMITY

AoC-level 1

0620-CPD-76875

In compliance with Council Directive 89/106/EEC of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products (the Construction Products Directive or CPD), as later amended, it has been stated that the construction product

NOFIRNO sealing system

< product parameters (performance of the product) and classes; "CE marking method(s)" used if applicable; description of the product (type, identification, use...); field of direct application; particular conditions applicable to the use of the product according to the technical specification >

placed on the market by

Beele Engineering B.V.
Beunkdijk 11
7122 NZ Aalten

and produced in the factory

Beele Engineering B.V.
Vierde Broekdijk 12
7122 JD Aalten

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body No.

- 0620 Kiwa Nederland B.V. -

has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of conformity and the performances described in Annex ZA of the standard(s) or in the ETA (resp. in).

ETA 13/0153

were applied and that the product fulfils all the prescribed requirements.

This certificate was first issued on 2nd of July 2013 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.



MATERIAL SAFETY DATA SHEET

Edition January 2009

Product name : *NOFIRNO fire safe, water repellent sealant*

1- IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product name : NOFIRNO
Supplier : BEELE Engineering BV, Beunkdijk 11, 7122 NZ AALTEN,
The Netherlands
Telephone : +31 (0)543 461629
Fax : +31 (0)543 461786

Chemical composition : Mixture of polydimethylsiloxane, fire retardant fillers and crosslinker
Colour : Terracotta
Hazardous components : OXIMINOSILANE(S) (CAS: 2224-33-1 & 22984-54-9): < 5%
-EEC Classification: Xi;R36
3-AMINOPROPYLTRIETHOXYSILANE (CAS: 919-30-2): < 5%
-EEC Classification: C;R22-34

Further information : When exposed to air humidity release of:
2-BUTANONE OXIME (CAS: 96-29-7): 1,2% (max) on pure polymer,
0.7% in composition
-EEC Classification: Xi;R36-43

3- HAZARDS IDENTIFICATION

Human health effects : May cause slight irritation to skin or eyes.
Environmental effects : Does not present particular risk to the environment, provided the disposal (see section 13) is in accordance with national or local regulations.

Specific hazards : According to EEC criteria, this product is not classified as a hazardous preparation.

Further information : Smoke and toxicity tests according to Naval Engineering Standard are performed with positive results.

4- FIRST AID MEASURES

Inhalation : Affected person should be removed from the contaminated area into fresh air.
Skin contact : Wipe off using a clean, soft, absorbent material.
Eye contact : If substance has got into the eyes, immediately wash out with plenty of water until medical assistance is provided.
Retract eyelids often. Consult a physician immediately.

Hygiene measures : Exercise good industrial hygiene practice. Wash after handling, especially before eating

5- FIRE FIGHTING MEASURES

Properties : Combustible at temperatures above 400 °C.
Extinguishing media : Foam, CO₂, dry powder, water spray
Special exposure hazards : In case of fire and/or explosion do not breathe fumes
Protective equipment : Wear breathing apparatus

6- ACCIDENTAL RELEASE MEASURES

Personal precautions : Avoid contact to the skin and eyes. Do not breathe vapours.
Ventilate the spillage area mechanically.

Environmental precautions : This product does not present a particular risk to the environment

Methods for cleaning : Take up mechanically. Do not empty into drains.
Transfer to a container for disposal.

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Edition January 2009

Product name : *NOFIRNO fire safe, water repellent sealant*

7- HANDLING AND STORAGE

Handling : Ventilation. Work in well-ventilated room.
Storage : Store between 5 °C and 40 °C. No further specific measures necessary.
Packaging : Polyethylene cartridges.
Further information : Due to the hollow shape of sleeves do not store under high loads

8- EXPOSURE CONTROL/PERSONAL PROTECTION

Mechanically : Ensure good ventilation of the work area.
Control parameters : Limits (USA/ACGIH): 2-Butanone oxime: no specific limit.
Proposed limits: 2-Butanone oxime: 3 ppm TWA and 10 ppm STE
(measured <1ppm TWA)
Personal protection : Wear protective clothing and chemical safety glasses.
Respiratory protection : In the event of insufficient ventilation: respiratory protective device with a gas filter.
Hand protection : Wear rubber gloves.
Eye protection : Chemical safety glasses.
Skin protection : Minimize skin contact.

9- PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Thixotropic paste
Odour : Ethereal, slight amine
Density at 23 °C : 1.4 g/cm³
Softening point : Not applicable
Melting point : Not applicable
Flammability : LOI index = 43%
Oxidizing properties : Non-oxidizing material according to EEC criteria
Solubility : Insoluble

10- STABILITY AND REACTIVITY

Stability : Stable under normal usage conditions
Conditions to avoid : None known
Materials to avoid : None known
Hazardous decomposition products : In case of fire CO, CO₂, oxides of silicone and oxides of nitrogen; during normal curing 2-butanone oxime and methanol vapours may be emitted.

11- TOXICOLOGICAL INFORMATION

Acute toxicity : 2-Butanone oxime: LC 50 inhalation (rat)/4 h: > 4.83 mg/l.
Human effects : Repeated or prolonged contact may cause slight irritation to the skin.
Sensitisation : Not a cutaneous skin sensitizer for guinea pigs, when tested in accordance with the Buehler method.
Carcinogenicity : As far as we know, under normal conditions of use, this product will not present an exposure hazard to human.
Long term exposure : No information available. Studies are carried out.

12- ECOLOGICAL INFORMATION

Ecotoxicity : Effects on the aquatic environment: LC 50 (fish: pimephales promelas)
96 h: 844 mg/l for 2-Butanone oxime
Degradability : Not biodegradable
Bioaccumulation : Not bioaccumable
Solubility : Insoluble

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13- DISPOSAL CONSIDERATIONS

: Dispose in accordance with local and national regulations

14- TRANSPORT INFORMATION

General : Not Classified as Hazardous for Transport
Land : Rail/road (RID/ADR): not restricted
Sea : (IMO/IMDG): not restricted
Air : (ICAO-IATA): not restricted
Note : It is advisable to check the validity of the above due to possible evolution of transport regulations

15- REGULATORY INFORMATION

Classification : Not irritant
Risk Phrases : Not applicable
Safety Phrases : Not applicable

16- OTHER INFORMATION

Other information : This data sheet was prepared in accordance with Directive 91/155/EEG. The information given is based on our knowledge of the product at the time of publication. It is given in good faith.