



Covenant Kiwagreen

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Replaces -

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Kiwa Covenant K15014

ISIFLO Fittings and valves

Level 2

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

ISIFLO AS

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 Kiwagreen Covenant manual K15014.

Ron Scheepers
Kiwa



Publication of this certificate is allowed.

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

COVENANT

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Preface

This Kiwa Covenant has been prepared by the Technical Committee Kiwagreen of Kiwa Nederland B.V. and accepted by the Kiwa Committee of Covenant (KCC). The KCC also supervises the certification activities and where necessary requires the Kiwa Covenant to be revised.

This Kiwa Covenant will be used by Kiwa in conjunction with the Kiwa-Regulations for Certification. This regulation details the method employed by Kiwa for conducting the necessary investigations prior to issuing the product certificate and the method of external control. The inspection frequency is determined by the above mentioned Technical Committee and Kiwa Committee of Covenant.

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1 Scope of the Covenant

1.1 Definition of the product

Isiflo AS manufacture, marketing and sell fittings and valves made from Brass and/or Composite (PAGF) materials.

The production of brass fittings is done by machining hot forged brass components and subsequent assembly.

For the production of composite fittings, plastic molding machines are used to produce the components and followed by assembly .

The service valves are produced by using the same two materials.

This Covenant covers the products listed in table 1:

Table 1 Products covered under this covenant

Product name	Definition	Application	Materials
Isiflo Brass Fitting	Compression fitting made of Dezincification resistant (DZR)brass	Plastic pipes (PE, PEX, PVC) and metal pipes used for transportation of drinking water, air and chemical fluids and gas	RA455 (CW625N) – DZR brass, EPDM (water) or NBR (gas) O-ring
Isiflo Sprint	Compression fitting made of PA12/Glassfiber	Plastic pipes (PE, PEX, PVC) used for transportation of drinking water, air, chemical fluids and gas	Glass fiber reinforced PA12 EPDM (water) or NBR (gas) O-ring POM compression cartridge
Isiflo Flexi	Repair fitting made of PA 12/ Glassfiber	All types of plastic and metal pipes except multi-layer pipes (e.g. Alu-Pex).	Glass fiber reinforced PA12 EPDM (water) or NBR (gas) O-ring POM compression cartridge
Isiflo Eco line valve	T200 gate valve	PE-pipes used for transportation of drinking water, air, chemical fluids and gas	EN1.4404/AISI316L Acid proof steel Wedge in lead free brass (CW724) Glass fiber reinforced PA12/GF65 EPDM rubber seal POM
Isiflo Service valve	Service valve made of DZR brass	Plastic (PE, PEX, PVC) and metal pipes used for transportation of drinking water, air, chemical fluids and gas	RA455 (CW625N) – DZR brass, EPDM (water) or NBR (gas) O-ring

1.2 Objective and declaration

Isiflo products are qualified to be labelled with Kiwagreen label Level 2 with the score reached in the initial evaluation according to the manual K15014. Level 2 corresponds to a maturity of sustainability activities of a company on a “systems and proceses” level.. Table 2 gives the correlation of KIWAGREEN levels and sustainable maturity of an organization based on the principles of ISO 20400 and Table 3 highlights the sustainability claims of Isiflo AS.

Table 2 Definitions of KIWAGREEN levels

KIWAGREEN level	Functional level	Responsibility level	Definition
0	Policy and strategy	All	The organization has an understanding of the scope, motivation and principles of sustainability
1	Enabling and organization	Top management	The organization has integrated sustainable considerations at a strategic level ensuring that the intention, direction and priorities are documented
2	Systems and processes	Lower Managements	The organization has developed management techniques in order to successfully implement and continually improve sustainability actions
3	Procedures and reports	Individuals	The organization has integrated sustainability procedures into all stages of value chain

Table 3 Sustainability claims of Isiflo verified by Kiwa under manual K15014

Aspect	Description of the requirement
Product	<ul style="list-style-type: none"> The Isiflo brass product labelled with Kiwagreen has been manufactured from more than 98% recycled material (scrap brass and copper) The Isiflo Composite product labelled with KIWA Green is more the 50% lighter than comparable products in metal Design of the products is focused on durability, reuse and recyclability
People	<ul style="list-style-type: none"> Isiflo follows the rules set by Aalbert's Code of Conduct throughout her value chain. This ethical guideline follows the Transparency Act of Norway (in force from 1 July 2022)
Planet	<ul style="list-style-type: none"> Isiflo production processes contribute to the circular economy. At Isiflo AS all waste is sorted into different fraction for recycling purpose. All waste is recycled, or energy recovered. All electricity used at Isiflo AS is made from renewable sources. The Isiflo product labelled with Kiwa Green has raw materials produced / manufactured / bought in Europe with short distribution lines

1.3 Assumed working life of the product

The Isiflo products has more than 50 years lifetime expectancy and can be reused during this lifetime.

1.4 Common terms relating to the product

An extensive list of terms can be found in Kiwagreen manual K15014.

Circular Economy	A circular economy is an economic system of closed loops in which raw materials, components and products lose their value as little as possible, renewable energy sources are used and systems thinking is at the core.
Recycled content	Proportion, by mass, of recycled material in a product. Only pre-consumer and post-consumer materials shall be considered as recycled content
Recycling	Processing of plastic products for the original purpose or for other purposes, excluding energy recovery
Recyclable - Recyclability	A characteristic of a product, packaging or associated component that can be diverted from a waste stream through available processes and programmes and can be collected, processed and returned to use in the form of raw materials or products

2 Relevant characteristics of the product, the required verification and the assessments of fitness for use

2.1 Fitness for use

Fitness of the products under the scope of this Kiwa Covenant is assessed according to the certificates which the products are bearing for their intended use. The validity of this covenant shall be bounded by the validity of those product certificates. In case of changes in the scope and/or content of the certification, Kiwa shall be informed by Isiflo.

The Isiflo products under this Kiwa Covenant are evaluated according to the certifications listed in Table 4. The quality and fitness of these products are yearly monitored by Kiwa through inspections.

Table 4 Information on the certification of the products

Product name	Certificate no	Given by
Isiflo Brass Fitting	K79196/03	Kiwa NL
	K6344/06	Kiwa Gastec
Isiflo Sprint	K57715/06	Kiwa NL
	K102351/03	Kiwa Gastec
	K75524-8	Kiwa Gastec
Isiflo Flexi	PS 1457	Sintef
Isiflo Eco line valve	K105266/01	Kiwa NL
	PS 3612	Sintef
Isiflo Service valve	PS 1071	Sintef

2.2 Verification of sustainability aspects

Verification of the contribution of Isiflo production processes to the circular economy is executed by evaluation of the sustainability activities according to Kiwagreen manual K15014.

2.3 Marking

The product shall be provided with the following information:

- Logo picture Kiwagreen together with the certification number;
- Manufacture's name, trade name;
- Material identification;
- Production code;
- Certificates on request.



Figure 1 Pictogram Kiwagreen

The certification LOGO shall be presented together with the certification number.

On the certificate the level*) shall be shown:

Kiwa Manual K15014	Certified for level:
KIWA GREEN LEVEL 1	
KIWA GREEN LEVEL 2	X

3 Quality system requirements

3.1 General

This chapter contains the requirements that have to be met by the supplier's quality management system.

3.2 Manager of the quality system

Within the organizational structure an employee must be appointed to be responsible of managing the quality system.

3.3 Internal quality control/quality plan

The supplier must have an implemented and operational internal quality control scheme in place (IQC-scheme).

In this IQC-scheme the following must be demonstrably recorded:

- materials used in the product;
- which aspects are checked by the manufacturer;
- according to which methods these inspections are carried out;
- how often these inspections are carried out;
- how the inspection results are registered and stored.

This IQC-scheme shall be derived from the example format as shown in the annex. The scheme must be detailed in such a way that it provides Kiwa sufficient confidence that the requirements of this Covenant are continuously fulfilled.

3.4 Management of laboratory- and measure apparatus

The supplier must determine which laboratory- and measure apparatus are needed based on this Covenant in order to demonstrate that the product fulfils the requirements.

When applicable laboratory- and measure apparatus need to be calibrated at specified intervals.

The supplier needs to validate and register the previous measure results, when at the time of calibration is determined that the laboratory and measure devices are not operating correctly.

The apparatus in question need to be marked in such a way that can be determined what the calibration status is.

The supplier is required to register the calibration results.

3.5 Procedures and work instructions

The supplier must be able to submit procedures for:

- storage of used materials and readied product;
- the handling of non-conforming products;
- corrective actions in case non-conformities are found;
- the handling of complaints regarding the products and/or services supplied;
- managing work instructions and inspection sheets in use.

3.6 Other quality system requirements

The supplier must be able to submit:

- an organization chart;
- qualification requirements of the involved staff.

4 Initial inspection and continuous surveillance by Kiwa

4.1 Summary of tests and inspections

This chapter contains a summary of the following tests and inspections to be carried out in the event of certification:

- Initial type tests;
- Inspections;
- Control of the supplier's the quality system.

4.2 Evaluation matrix (Kiwagreen)

Table 5 Evaluation matrix

Description of requirements	Clause Covenant	Tests within the scope of:	
		Initial investigation	Inspections ^{1) + 2)}
General			
Maintenance of equivalent sustainable process	1.2	X	X
Maintenance of minimum Kiwagreen score reached in the previous inspection	1.2		X
Maintenance of certificates as evidence of fitness for use	2.1	X	X

- 1) In case the product or production process changes significantly, the performance requirements shall be determined again.
- 2) During the inspection visit, the inspector shall check the product on the basis of a selection of the above listed requirements. The frequency of the inspection visits is recorded in clause 5.3 'Nature and frequency of external inspections'.

4.3 Inspection of the quality system

The quality system will be checked by Kiwa on the basis of the IQC scheme.

The inspection contains at least those aspects mentioned in the Kiwa Regulations for Certification.

5 Agreement on the implementation of certification

5.1 General

Beside the requirements included in this Covenants, also the general rules for certification as included in the Kiwa Regulations for Certification apply.

In particular, these are:

- The general rules for conducting the initial type tests, to be distinguished in:
 - the way suppliers are to be informed about an application is being handled;
 - how the test are conducted;
 - the decision to be taken as a result of the pre-certification tests;
- The general directions for conducting inspections and the aspects to be audited;
- The measurements to be taken by Kiwa in case of Non Conformities;
- Measurements taken by Kiwa in case of improper Use of Certificates, Certification Marks, Pictograms and Logos;
- Terms for termination of the certificate;
- The possibility to lodge an appeal against decisions of measurements taken by Kiwa.

5.2 Report initial investigation

Kiwa records the results of the initial investigation in a report. This report shall comply with the following requirements:

- completeness: the reports verdicts about all requirements included in the Covenant;
- traceability: the findings on which the verdicts have been based shall be recorded traceable;
- basis for decision: the decision maker shall be able to base his decision on the findings included in the report.

5.3 Nature and frequency of external inspections

Kiwa shall enforce inspections at the supplier's site to investigate whether the obligations are met. At the time of validation of this Covenant this frequency has been fixed at 1 inspection visits per year.

Inspections shall invariably include:

- The IQC-scheme of the supplier and the results of tests carried out by the supplier;
- The correct marking of the certified products;
- The compliance with the required procedures.

The findings of the inspection visits performed shall be traceably recorded, by the certification body, in a report.

5.4 Sanction policy

The sanction policy and the weighing of the non-conformities is available through the service page on the website of Kiwa.

6 Conditions under which the fitness for the intended use is assessed

6.1 Recommendations for customers

Check at the time of deliver 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:

isifo AS

and, if necessary,
Kiwa Nederland B.V.

Consult the suppliers processing guidelines for the proper storage and transport methods.
Check whether this covenant certificate is still valid by consulting the website of Kiwa Nederland.

7 Titles of standards

7.1 Standards normative documents

Standard ¹⁾	Title
EN-ISO 9001	Quality management systems - Requirements
NEN-EN ISO/IEC 17020	Conformity assessment - General criteria for the operation of various types of bodies performing inspection
NEN-EN ISO/IEC 17021	Conformity assessment - Requirements for bodies providing audit and certification of management systems
NEN-EN ISO/IEC 17024	Conformity assessment - General requirements for bodies operating certification of persons
NEN-EN ISO/IEC 17025	General requirements for the competence of testing and calibration laboratories
NEN-EN ISO/IEC 17065	Conformity assessment - Requirements for bodies certifying products, processes and services
Kiwa Manual K15014	Requirements for Products and processes Improving health of People and Planet
Kiwa Manual K15013	Kiwa Covenants for products and processes
ISO 20400	Sustainable procurement - Guidance

- 1) The documents, in whole or in part, are normatively referenced in this document. For dated references, only the edition cited applies. For undated references, the latest edition of the reference document (including any amendments) applies.

Annex: Model IQC Scheme

Inspection subjects	Inspection aspects	Inspection method	Inspection frequency	Inspection registration
Raw materials or materials supplied: - recipe sheets - incoming goods inspection raw materials				
Production process, production equipment, plant: - procedures - working instructions - equipment - release of product				
Finished-products				
Measuring and testing equipment - measuring equipment - calibration				
Logistics - internal transport - storage - preservation - packaging - identification				