

BRL-K525
Februari 01, 2012 including
amendment sheet 07-03-2019

Evaluation Guideline

for the Kiwa product certificate for
Adhesives for joints in thermoplastic piping
systems for the transport of drinking water



Trust
Quality
Progress



Preface

This evaluation guideline has been accepted by the Kiwa Board of Experts “LSK”, wherein all the relevant parties in the field of “Adhesives for joints in thermoplastic piping systems for the transport of drinking water” are represented. This Board of Experts also supervises the certification activities and where necessary require the evaluation guideline to be revised. All references to Board of Experts in this evaluation guideline pertain to the above mentioned Board of Experts.

This evaluation guideline will be used by Kiwa in conjunction with the Kiwa-Regulations for Product 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 Board of Experts.

This evaluation guideline has to be appointed at least every 5 years by the administering Board of Experts, but at the latest on 01-02-2017

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The use of this evaluation guideline by third parties, for any purpose whatsoever, is only allowed after a written agreement is made with Kiwa to this end.

Validation

This evaluation guideline has been validated by the Director Kiwa Nederland B.V.on 01-02-2012

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Amendment BRL K525

Adhesives for joints in thermoplastic piping systems for the transport of drinking water

Date amendment sheet: 07-03-2019

Techniekgebied F2: Leidingssystemen

Approved by the Board of Experts CWK d.d. 15-02-2019

General

The use of this amendment by third parties, no matter the purpose, is only permitted after a written agreement has been concluded with Kiwa regulating the right of use.

Validity

This amendment belongs to BRL K525 dated 01-02-2012.

The product certificates issued based on that evaluation guideline lose their validity on 1 April 2020.

Binding declaration

This amendment is declared binding by Kiwa on 07-03-2019.

Description of the change

Paragraph 1.1 and 1.5 have been replaced as indicated below. The amendments concern the references to NEN-EN-ISO/IEC 17065 instead of NEN-EN 45011. NEN-EN ISO/IEC 17021 and NEN-EN ISO/IEC 17024 are deleted. Also, in connection with the transition from NEN-EN 45011 to NEN-EN-ISO/IEC 17065, several paragraphs of Chapter 5 relating to staff qualification requirements have been replaced as indicated below.

In the BRL the following parts need to be changed:

Preface

Replace in the first sentence: Kiwa Board of Experts "LSK" by Board of Experts CWK.

1.1 General

Replace par. 1.1 by:

This Evaluation Guideline contains all relevant requirements on the basis of which Kiwa issues and maintains a Kiwa Product Certificate for Adhesives for joints in thermoplastic piping systems for the transport of drinking water.

This evaluation guideline replaces BRL-K525 dated February 1, 2012.

Certificates issued on the basis of this guideline keep their validity.

For the performance of its certification work, Kiwa is bound to the requirements as included in NEN-EN-ISO/IEC 17065 "Conformity assessment - Requirements for bodies certifying products, processes and services".

1.3 CE marking

Delete paragraph 1.3

1.4 Terminology

Replace in the first bullet point: the Board of Experts "LSK" by the Board of Experts CWK.

1.5 Acceptance of test reports provided by the supplier

Replace par. 1.5 by:

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When by the manufacturer reports from test Institutions or laboratories are produced in order to demonstrate that the product meets the requirements of this evaluation guideline, the institute or laboratory shall meet one of the applicable accreditation norms, being;

- NEN-EN-ISO/IEC 17020 for inspection bodies;
- NEN-EN-ISO/IEC 17025 for laboratories;
- NEN-EN-ISO/IEC 17065 for certification bodies certifying products.

This requirement is being considered to be fulfilled when a certificate of accreditation can be shown, either issued by the Board of Accreditation (RvA) or one of the institutions with which the RvA an agreement of mutual acceptance has been concluded.

The accreditation shall refer to the examination as required in this evaluation guideline. When no certificate of accreditation can be shown, Kiwa will verify whether the accreditation norm is fulfilled.

5.2 Certification personnel

Replace par. 5.2 by:

5.2 Certification staff

The staff involved in the certification may be sub-divided into:

- certification assessor/reviewer: in charge of review of the by the supplier supplied or to be supplied construction drawings and documents, admissions, reviewing of applications and the review of conformity assessments;
- site assessor: in charge of carrying out external inspections at the supplier's works;
- decision-makers: in charge of taking decisions in connection with the pre-certification tests performed, continuing the certification in connection with the inspections performed and making decisions on the need of corrective actions.

5.2.1 Qualification requirements

Replace par. 5.2.1 by:

The following qualification requirements have been set by the Board of Experts for the subject matter of this Evaluation Guideline:

	Certification assessor / Application reviewer / Reviewer	Location assessor	Decision maker
Basic competence			
Knowledge of production processes, skilled in assessing	<ul style="list-style-type: none">• Bachelor thinking- and working level• 1 year relevant work experience	<ul style="list-style-type: none">• Intermediate vocational thinking- and working level• 1 year relevant work experience	<ul style="list-style-type: none">• Bachelor thinking- and working level• 4 year relevant work experience with at least 1 year in relation to certification

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Audit skills	• n.a.	• Training audit skills • A minimum of 4 assessments whereof 1 assessment independently under supervision	n.a.
Technical competence			
Knowledge of the guideline	• Detailed knowledge of the guideline and 4 assessments related to the specific guideline or related guidelines.	• Detailed knowledge of the guideline and 4 assessments related to the specific guideline or related guidelines.	• n.a.
Relevant knowledge of: <ul style="list-style-type: none"> • The technology for the production of the products to be inspected, the processing and the provision of services; • The application of the products, processes and the provision of services; • Every malfunction which can occur during the use of the product, every error during the process and every defectiveness during the provision of services. 	<ul style="list-style-type: none"> • Relevant tech. thinking and working level comparing to Bachelor • Specific courses and training (knowledge and skills) 	<ul style="list-style-type: none"> • Intermediate vocational thinking- and working level • Specific courses and training (knowledge and skills) 	• n.a.

The level of education and the experience of the certification staff involved shall be demonstrably recorded.

5.2.2 Qualification

Replace par. 5.2.2 by:

The qualification of the Certification staff shall be demonstrated by means of assessing the education and experience to the requirements mentioned before. In case staff is to be qualified on the basis of deflecting criteria, written records shall be kept.

The authority to qualify staff is dedicated to:
 decision makers: qualification of certification experts and inspectors,
 Management of Kiwa: qualification of decision makers.

Amendment BRL K525

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6 List of mentioned documents

Replace Chapter 6 by:

Standards / normative documents:

Number	Title
NEN-EN-ISO/IEC 17020: 2012	Conformity assessment -- Requirements for the operation of various types of bodies performing inspection
NEN-EN-ISO/IEC 17025: 2018	General requirements for the competence of testing and calibration laboratories
NEN-EN-ISO/IEC 17065: 2012	Conformity assessment -- Requirements for bodies certifying products, processes and services
NEN 7106:1984	Plastics pipelines for the transport of drinking water - Adhesives for joints up to 90 mm of unplasticized PVC and PVC/CPE - Requirements and test methods
NEN-EN 542: 2003	Adhesives - Determination of density
NEN-EN 827: 2006	Adhesives - Determination of conventional solids content and constant mass solids content
NEN-EN 12092: 2001	Adhesives - Determination of viscosity
NEN-EN 14814: 2016	Adhesives for thermoplastic piping systems for fluids under pressure - Specifications
NEN-EN-ISO 9001: 2015	Quality management systems - Requirements
NEN-EN-ISO 9311-1: 2005	Adhesives for thermoplastic piping systems - Part 1: Determination of film properties
NEN-EN-ISO 9311-2: 2011	Adhesives for thermoplastics piping systems - Part 2: Determination of shear strength
NEN-EN-ISO 9311-3: 2005	Adhesives for thermoplastics piping systems - Part 3: Test method for the determination of resistance to internal pressure

Contents

1	Introduction	9
1.1	General	9
1.2	Field of application / scope	9
1.3	CE marking	9
1.4	Terminology	9
1.5	Acceptance of test reports provided by the supplier	9
1.6	Certificate	10
2	Product requirements and test methods	11
2.1	Introduction	11
2.2	General considerations, article 4.1 of NEN-EN 14814	11
2.3	Shear strength, article 4.2 of NEN-EN 14814, annex ZA	11
2.4	Pressure resistance, article 4.3 of NEN-EN 14814, annex ZA	11
2.5	Shelf life, article 4.4 of NEN-EN 14814	11
2.6	Toxicological requirements	11
2.7	Certification mark	12
3	Quality system requirements	13
3.1	General	13
3.2	Manager of the quality system	13
3.3	Internal quality control/quality plan	13
3.4	Procedures and work instructions	13
4	Summary of tests and inspections	14
4.1	Test matrix	14
4.2	Surveillance of internal quality control scheme	14
5	Agreements on the performance of certification	15
5.1	General	15
5.2	Certification personnel	15
5.3	Pre-certification report	16
5.4	Decision with regard to granting of the certificate	16
5.5	Quality declaration	16
5.6	Nature and frequency of external inspections	16
5.7	Report to Board of Experts	16

5.8	Interpretation of requirements	16
6	List of mentioned documents	17
6.1	Public Law rules	17
6.2	Standards / normative documents:	17
7	Annex 1: Model IQC scheme	18
8	Annex 2: Example product certificate	19

1 Introduction

1.1 General

This Evaluation Guideline contains all relevant requirements on the basis of which Kiwa issues and maintains a Kiwa Product Certificate for Adhesives for joints in thermoplastic piping systems for the transport of drinking water.

This evaluation guideline is based on NEN-EN 14814:2007 and will replace the BRL-K525 (which was based on NEN 7106:1984).

The quality declarations based on the BRL-K525 (NEN 7106:1984) do not lose their validity.

During the performance of the certification work, Kiwa is bound to the requirements as laid down in the chapter "Agreements on the implementation of certification".

1.2 Field of application / scope

This evaluation guideline specifies the functional requirements and test methods for adhesives used for joining the components of unplasticized poly(vinyl chloride) (PVC-U), chlorinated poly(vinyl chloride) (PVC-C), acrylonitrile-butadiene-styrene (ABS) thermoplastic piping systems for the transport of drinking water.

This evaluation guideline is exclusively suitable for assessment of adhesives with accompanying cleaners under laboratory circumstances.

1.3 CE marking

Relation to EU Construction Products Directive (89/106/EEC):

For products that are covered by this product certificate the harmonized European standard NEN-EN 14814 has been published.

1.4 Terminology

In this Evaluation Guideline the following definitions shall apply:

- Board of Experts: the Board of Experts "LSK";
- Supplier: the party responsible for ensuring that the products continuously fulfil the requirements on which the certification is based;
Note: the 'Supplier' may also be the manufacturer of the certified product(s).
- IQC-scheme: a description of the quality inspections carried out by the supplier as part of his quality system.
- Diametral clearance: the difference between the mean inside diameter of the socket and the mean outside diameter of the spigot end.
- Cleaner: a fluid which aims at cleaning the surfaces to be bonded and making the surfaces lubricant free.

1.5 Acceptance of test reports provided by the supplier

If the supplier submits reports from research bodies or laboratories to show that the requirements of the Evaluation Guideline are met, it will have to be shown that such reports were prepared by a body meeting the prevailing accreditation standard, i.e.

NEN-EN-ISO/IEC 17025 for laboratories;

NEN-EN-ISO/IEC 17020 for inspection bodies;

NEN-EN 45011 for certification bodies certifying products;

NEN-EN-ISO/IEC 17021 for certification bodies certifying systems;

NEN-EN-ISO/IEC 17024 for certification bodies certifying persons.

The body is deemed to meet these criteria if an accreditation certificate can be submitted which has been issued by Raad voor Accreditatie (Board of Accreditation) or an accreditation body with which Raad voor Accreditatie has concluded a mutual acceptance agreement.

This accreditation should relate to the tests required for this Evaluation Guideline.

If no accreditation certificate can be submitted, certification body itself shall verify whether the accreditation standard has been met or carry out the tests concerned itself, or have same them carried out.

1.6 Certificate

Any quality certificate issued on the basis of this Evaluation Guideline is referred to as a 'KIWA product certificate'. A model of the certificate to be issued on the basis of this Evaluation Guideline has been included as an Annex.

2 Product requirements and test methods

2.1 Introduction

In this chapter the relevant functional requirements and test methods for adhesives for joints in thermoplastic piping systems for the transport of drinking water are given.

This concerns:

- 1 Requirements related to the annex ZA of NEN-EN 14814 for CE marking
- 2 Requirements related to NEN-EN 14814 that are not part of the annex ZA.

2.2 General considerations, article 4.1 of NEN-EN 14814

The manufacturer of the adhesive shall meet the requirements of article 4.1 of NEN-EN 14814. However the NEN-EN 14814 also covers the application areas “hot and cold water installations” and “industrial applications”. This Evaluation Guideline only covers the application area “water supply”.

The test pieces shall meet the requirements of Tables 1 and 2 of NEN-EN 14814.

2.3 Shear strength, article 4.2 of NEN-EN 14814, annex ZA

Product requirement

The adhesive shall meet the requirements of article 4.2 of NEN-EN 14814.

Testing method

The adhesive shall be tested in accordance with NEN-EN-ISO 9311-2 using pipe and fitting compatible with the claims of the adhesive suitability.

2.4 Pressure resistance, article 4.3 of NEN-EN 14814, annex ZA

Product requirement

The adhesive shall meet the requirements of article 4.3 of NEN-EN 14814. For PVC-U the “cold water applications” requirements shall be used.

Testing method

The adhesive shall be tested in accordance with NEN-EN-ISO 9311-3 using pipe and fitting compatible with the claims of the adhesive suitability.

2.5 Shelf life, article 4.4 of NEN-EN 14814

Product requirement

The adhesive shall meet the requirements of article 4.4 of NEN-EN 14814.

Testing method

The adhesive shall be tested in accordance with article 4.4 of NEN-EN 14814.


2.6 Toxicological requirements

Products and materials, which (may) come into contact with water, drinking water or warm tap water, are not allowed to release substances in such quantities which can jeopardise the health of the consumer or the quality of the drinking water. For that the products or materials have to meet the toxicological, microbiological and organoleptical requirements which are laid down in the valid “Ministerial Regulation materials and chemicals drinking water- and warm tap water supply” (published in the Government Gazette). This means that the procedure for obtaining a recognised quality declaration, as meant in the valid Regulation, has to be concluded with positive results.

Products and materials with a quality declaration*, issued by e.g. a foreign certification institute, are allowed to be used in the Netherlands, provided that the Minister has declared this quality declaration equivalent to the quality declaration as meant in the Regulation..

2.7 Certification mark

After conclusion of the certification agreement, each container of adhesive shall be provided with the following clearly legible and indelible markings:

- Kiwa (or Kiwa word mark);
- Kiwa watermark: 

- BRL-K525;
- Manufacturer's or suppliers name and trade mark or identification mark of the adhesive;
- Application area: thermoplastic piping systems for the transport of drinking water;
- Standard for which plastics piping system the adhesive is suitable (e.g. PVC-U, PVC-C, ABS or SAN+ABS);
- Batch number;
- Date of manufacturing or "use before date", and a statement to the effect that the adhesive has a shelf life of minimum 12 months when stored in unopened containers in accordance with the manufacturer's instructions;
- Any safety precautions and instructions relating to use and storage;
- The instructions for use and storage of the adhesive.

The label should be in the language of the country in which the product is sold.

* A quality declaration issued by an independent certification institute in another member state of the European Community than the Netherlands or another state party to the agreement to the European Economic Area, is equivalent to a recognised quality declaration, to the extent that, to the judgment of the Minister of the first mentioned quality declaration, is fulfilled the at least equivalent requirements as meant in the Regulation materials and chemicals drinking water- and warm tap water supply.

3 Quality system requirements

3.1 General

This chapter contains the requirements that have to be fulfilled by the manufacturer's quality system.

3.2 Manager of the quality system

Within the manufacturer's organisational structure an employee must be appointed who is in charge of managing the quality system.

3.3 Internal quality control/quality plan

As part of the quality system the manufacturer must implement an internal quality control schedule (IQC-scheme).

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

- which aspects are inspected 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-schedule shall be in the format as shown in the annex. The schedule must be detailed in such a way that it provides Kiwa sufficient confidence that requirements will be continuously fulfilled.

3.4 Procedures and work instructions

The manufacturer must be able to submit:

- procedures for:
 - 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;
- the work instructions and inspection sheets in use.

4 Summary of tests and inspections

This chapter contains a summary of tests and inspections to be carried out during:

Initial evaluation: the investigation necessary in order to determine whether all requirements of the evaluation guideline are fulfilled,

Inspection visit: the surveillance inspections carried out after issue of the certificate in order to determine whether the certified products continuously fulfil the requirements of this evaluation guideline. The inspections are carried out according to the frequency indicated.

Inspection of the quality system: inspection with regard to the correct implementation of the IQC-schedule and procedures.

4.1 Test matrix

Description of requirement	Article BRL	Tests within the scope of		
		Initial evaluation	Surveillance by Kiwa after issue of the certificate ¹⁾	
			Inspection visit ²⁾	Frequency
Toxicological requirements				
ATA	2.6	X	X	1 x year
Product requirements				
Shear strength	2.3	X	X	1 x year
Pressure resistance	2.4	X	X	1 x year
Shelf life	2.5	X	X	1 x year

1) When significant changes of the product or production process occur the performance requirements have to be determined once again.

2) All product properties which can be determined within the inspection time (maximum 1 day) are determined by the inspector or by the certificate holder in presence of an inspector. When this is not possible arrangements, how inspection will take place, will be made for this aspect between the CB and the certificate holder.

4.2 Surveillance of internal quality control scheme

During every inspection the IQC scheme of the supplier will be evaluated and validated.

5 Agreements on the performance of certification

5.1 General

The certification body has to fulfil the requirements of NEN-EN 45011.

Furthermore, the certification body has to be accredited for the subject of this BRL by the Dutch Accreditation Council (RvA) or by an equivalent accreditation body (an accreditation body with whom RvA has concluded an agreement of mutual recognition).

The certification body must have a regulation to their disposal, or an equivalent document, in which the general rules for certification are laid down. In particular these are:

- The general rules for carrying out the pre-certification, to be distinguished in:
 - The way suppliers are informed about the handling of the application;
 - Execution of the pre-certification;
 - The decision with regard to the pre-certification executed.
- The general rules with regard to the execution of inspections and the inspection aspects to be employed:
 - The measures to be taken by the certification body in the event of non-conformities;
 - The rules for termination of the certificate;
 - The possibility of lodging appeal against decisions or measures made by the certification body.

5.2 Certification personnel

The staff involved in the certification may be sub-divided into:

- certification experts: they are in charge of carrying out the pre-certification tests and assessing the inspectors reports;
- inspectors: they are in charge of carrying out external inspections at the supplier's works;
- decision makers: they are in charge of taking decisions in connection with the pre-certification tests performed, continuing the certification in connection with the inspections performed and taking decisions on the need of corrective actions.

5.2.1 Qualification requirements

The following qualification requirements have been set by the Board of Experts for the subject of this Evaluation Guideline.

Certification personnel	Education	Experience
Certification expert	Level of higher professional education (HBO) in one of the following disciplines: <ul style="list-style-type: none">- mechanical engineering- chemical engineering	2 years
Inspector	Level of intermediate professional education (MBO) in one of the following disciplines: <ul style="list-style-type: none">- mechanical engineering- chemical engineering	1 year
Decision makers	Level of higher professional education (HBO) in one of the following disciplines: <ul style="list-style-type: none">- mechanical engineering- chemical engineering	1 year Management experience

The level of education and the experience of the certification staff involved should be demonstrably recorded.

5.2.2 Qualification

Certification staff must be demonstrably qualified by evaluation of education and experience of the above mentioned requirements. In case qualification takes place on the basis of other criteria, then this has to be recorded in writing.

- Decision makers: qualification of the certification and inspectors;
- Management of the certification body: qualification of the decision-makers

5.3 Pre-certification report

The certification body records the results of the pre-certification tests in a report. The report must fulfil the following requirements:

- Completeness: the report judges about all requirements of the Evaluation Guideline;
- Traceability: the findings whereupon the judgements are based must be recorded in a traceable way;
- Basis for decision: the decision-maker with regard to granting of the certificate, must be able to base his decision upon the findings recorded in the report.

5.4 Decision with regard to granting of the certificate

The decision with regard to granting of the certificate must be made by a qualified decision-maker, who was not involved at the pre-certification tests. The decision must be traceable recorded.

5.5 Quality declaration

The technical approval-with-product certificate has to be in accordance with the model included in the annex.

5.6 Nature and frequency of external inspections

The certification body must enforce inspections at the supplier to investigate whether the obligations are met. The Board of Experts advises about the number of inspection visits. At the time of validation of this Evaluation Guideline this frequency has been fixed at four inspection visits per year. If the supplier possesses a valid ISO 9001 certificate the frequency may be two inspection visits per year.

Inspections shall invariably include:

- The product specifications laid down in the quality declaration;
- The production process of the supplier;
- The IQC-schedule of the supplier and the results of tests recorded by the supplier;
- The correct marking of the certified products;
- The compliance with the required procedures.

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

5.7 Report to Board of Experts

The certification body reports at least once a year about the certification activities performed. In this reporting, the following subjects must be addressed:

- Mutations in number of certificates (new/cancelled);
- Number of inspections performed in relation to the fixed frequency;
- Results of the inspections;
- Measures imposed at non-conformities;
- Complaints received from third parties concerning certified products.

5.8 Interpretation of requirements

The Board of Experts may lay down the interpretation of this Evaluation Guideline in a separate interpretation document. The certification body is obliged to inform whether an interpretation document is available. If this is the case, then the interpretations as laid down in the interpretation document must be employed.

6 List of mentioned documents

6.1 Public Law rules

Staatscourant van 13 december 2002, nr. 241, pagina 25 Regeling materialen en chemicaliën leidingwatervoorziening'

6.2 Standards / normative documents:

Number	Title
NEN 7106:1984	Plastics pipelines for the transport of drinking water - Adhesives for joints up to 90 mm of unplasticized PVC and PVC/CPE - Requirements and test methods
NEN-EN 542:2003	Adhesives - Determination of density
NEN-EN 827:2006	Adhesives - Determination of conventional solids content and constant mass solids content
NEN-EN 12092:2001	Adhesives - Determination of viscosity
NEN-EN 14814: 2007	Adhesives for thermoplastic piping systems for fluids under pressure - Specifications
NEN-EN 45011: 1998	General requirements for bodies operating product certification systems
NEN-EN-ISO 9001: 2008	Quality management systems - Requirements
NEN-EN-ISO 9311-1: 2005	Adhesives for thermoplastic piping systems - Part 1: Determination of film properties
NEN-EN-ISO 9311-2: 2002	Adhesives for thermoplastics piping systems - Part 2: Determination of shear strength
NEN-EN-ISO 9311-3: 2005	Adhesives for thermoplastics piping systems - Part 3: Test method for the determination of resistance to internal pressure
NEN-EN-ISO/IEC 17020: 2004	General criteria for the operation of various types of bodies performing inspection
NEN-EN-ISO/IEC 17021: 2011	Conformity assessment - Requirements for bodies providing audit and certification of management systems
NEN-EN-ISO/IEC 17024 : 2004	Conformity assessment - General requirements for bodies operating certification of persons
NEN-EN-ISO/IEC 17025 : 2005	General requirements for the competence of testing and calibration laboratories

7 Annex 1: Model IQC scheme

The IQC scheme below is an example IQC scheme. The inspector and the supplier will reach an agreement on the actual IQC scheme.

Inspection subjects	Inspection aspects	Inspection method	Inspection frequency	Inspection registration
Raw materials or materials supplied: - recipe sheets - incoming goods: inspection raw materials	- Recipe according annex product agreement	Comparison supplied certificate with agreement	Each delivery	Entry control document
Production process, production equipment, plant: - procedures - working instructions - equipment - release of product	- tuning parameters - maintenance aspects - e.g. dimensions - appearance	- adjustments machine - maintenance scheme - measuring - visual evaluation	- continuously - continuously - start up new product	- "digital" - work sheet - inspection document
Finished-products	- viscosity - shear strength (1h) - solid content - density - film properties	- NEN-EN 12092 - NEN-EN-ISO 9311-2 - NEN-EN 827 - NEN-EN 542 - NEN-EN-ISO 9311-1	- each production run - per day per product - each production run - once a year - once a year	End control documents
Measuring and testing equipment - measuring equipment - calibration	- proper functioning - accuracy within the range of measurement	- during usage - records of non-conformities	- continuously - 1 x year	- end control document - calibration document
Logistics - internal transport - storage - Preservation - packaging - identification	- circumstances in practise - comparison with order	- comparison with procedure - visual inspection	- continuously	- keep logistical procedures up to date

8 Annex 2: Example product certificate

Certificaat	Product certificate KXXXXXXXX/OX	 kiwa Partner for progress
	Issued	
	Replaces	
	Page 1 of 2	
<h3>Name product</h3> <h3>Supplier XYZ</h3>		
<p>STATEMENT BY KIWA This product certificate is issued on the basis of BRL K525 “Adhesives for joints in thermoplastic piping systems for the transport of drinking water” in accordance with the Kiwa Regulations for Product Certification.</p> <p>Kiwa declares that legitimate confidence exists that the by the producer manufactured products comply with the technical specifications as laid down in this product certificate, provided that the products have been marked with the Kiwa®-mark in the manner as indicated in this product certificate</p> <p style="text-align: center;"></p> <p>ing. B. Meekma director Kiwa Nederland B.V</p>		
<p>Kiwa Nederland B.V Sir W. Churchill-laan 273 Postbus 70 2280 AB RIJSWIJK Tel. 070 414 44 00 Fax 070 414 44 20 www.kiwa.nl</p>  	<p>Certificaatholder</p> <p>Tel. Fax www. E-mail</p>	<p>Certificatieproces bestaat uit intieële en periodieke beoordeling van:</p> <ul style="list-style-type: none">• kwaliteitssysteem• product

Naam product

PRODUCT SPECIFICATION

Product specification

The products mentioned below belong to this certificate

Product name

Toxicological requirements

Approval:


This product is approved on the basis of the requirements set in the "Regeling materialen en chemicaliën leidingwatervoorziening" ("Regulation Materials and Chemicals for Drinking Water Supplies"; published in the Staatscourant).

ATA criteria:

The ATA product certification is based on two main criteria. It should permanently comply with:

- The product recipe approved during the assessment procedure. The recipe is laid down in the for confidentiality reasons undisclosed appendix 1A to the certification agreement Kxxx. This recipe is not to be changed without prior approval by Kiwa according to the Kiwa-ATA-approval procedure;
- Specific ATA-product requirements, laid down in appendix 1A to the certification agreement Kxxx. For confidentiality reasons this appendix 1A is not public.

Marking

De products shall be marked with the Kiwa[®]-mark (KIWA) and the Kiwa[®]-Watermark 

The minimum required marking on the products shall be:

- BRL-K525
- Manufacturer's or suppliers name and trade mark or identification mark of the adhesive;
- Application area: thermoplastic piping systems for the transport of drinking water;
- Standard for which plastics piping system the adhesive is suitable (e.g. PVC-U, PVC-C, ABS or SAN+ABS);
- Batch number
- Date of manufacturing or "use before date", and a statement to the effect that the adhesive has a shelf life of minimum 12 months when stored in unopened containers in accordance with the manufacturer's instructions;
- Any safety precautions and instructions relating to use and storage;

The realization of the marks is as follows: clearly and indelible at **Location**

Application and use

RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the producer 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:

- Company
- and, if necessary,
- Kiwa Nederland B.V.

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