

## Product certificate K13314/06



Issued 2019-12-01 Replaces K13314/05 Page 1 of 6

# Vulcanised rubber products for cold and hot drinking water applications

STATEMENT BY KIWA

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

## Terramix S.A.

as specified in this product certificate and marked with the Kiwa<sup>®</sup>-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with Kiwa evaluation guideline BRL-K17504 "Vulcanised rubber products for cold and hot drinking water applications" dated 10-10-2018.

Ronald Karel Kiwa

Publication of this certificate is allowed. Advice: consult <u>www.kiwa.nl</u> in order to ensure that this certificate is still valid.

### Kiwa Nederland B.V.

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Certification process consists of initial and regular assessment of: • quality system

• product

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#### PRODUCT SPECIFICATION

The products as specified in the table below fulfil the requirements of BRL-K17504. BRL-K17504 covers the requirements of EN681-1, "Elastomeric seals - Materials requirements for pipe joint seals used in water and drainage applications - Part 1: Vulcanized rubber".

Rubber Compound:	EPDM HT 5557-10				
Hardness:	55 IRHD	Field of application <sup>2</sup> :	I – WA	Remarks:	
Ozone Class <sup>1</sup> :	1	Production method:	Injection mould		
Seal type	Tyton Ring				
Nominal Dimensions	80 - 1000 mm				
Cross sections	0,6 – 1,4 mm				
Seal type	Tyton Sit Plus				
Nominal Dimensions	80 - 600				
Cross sections	1 – 27 mm	$\sim$			
Seal type	Zadelmanchet MK4	2	$\mathbf{M}$		
Nominal Dimension	40 mm				
Cross section	1 – 10 mm				
Seal type	Plastic Retainer Ring				
Nominal Dimensions	63 - 315 mm				
Cross section	12 – 43 mm	· ·			
Seal type	Platinum Pressure Ring				
Nominal Dimensions	50 - 630 mm				
Cross section	8 – 77 mm				
Seal type	Metric Turner				
Nominal Dimensions	50 – 630 mm				
Cross section	9 - 31 mm				
Seal type	H.D. Manchet		Seal type	H.D. Manchet	
Nominal Dimension	50, 63, 75, 90, 110, 125, 160 mm	5	Nominal Dimension	200, 250, 315, 400, 500 mm	7
Cross Sections	1 - 6 mm		Cross Sections	1 – 7 mm	
Seal type	Pulva Gasket				
Nominal Dimension	200, 250, 315, 400 mm				
Cross Sections	4 - 12 mm				

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Seal type	Rubberring voor Aanboorzadel 63-315 x 1/2" - 1"	$\sim$	Seal type	Rubberring voor Aanboorzadel 160 - 315 x 1,5"	
Nominal Dimension	44 mm		Nominal Dimension	58 mm	
Cross Sections	1 - 3 mm		Cross Sections	0,5 – 3,5 mm	
Seal type	Canalisation Standard-Vi				
Nominal Dimensions	250 - 600 mm				
Cross sections	1 – 26 mm	- MAR			
Seal type	Blutop NVi Bi- Composant				
Nominal	75, 90, 110, 125,				
Dimension	140, 160, mm				
Cross section	3 – 8 mm				
Seal type	Blutop Vi Bi- Composant				
Nominal Dimensions	75, 90, 110, 125 mm				
Cross section	3 – 8 mm				
Seal type	Blutop NVi Garniture				
Nominal Dimensions	75, 90, 110 mm				
Cross section	0,5 – 11/20 mm				
Nominal Dimensions	125,140, 160 mm				
Cross section	0,5 – 11/23 mm				
Seal type	Blutop Vi- Garniture				
Nominal Dimensions	75, 90, 110, 125 mm				
Cross section	0,5 – 11/21 mm				
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Nominal Dimensions	140, 160 mm				
Cross section	0,5 – 11/23 mm				

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Seal type	Izifit NVi- Garniture				
Nominal Dimensions	75, 90, 110, 125, 140, 160 mm				
Cross section	0,5 – 11/23 mm				
Seal type	Izifit Vi Garniture				
Nominal Dimensions	63 mm				
Cross section	2 – 9 mm				
Nominal Dimensions	75, 90, 110, 125, 140, 160 mm			25	
Cross section	0,5 – 11/23 mm				
Rubber Compound:	EPDM HT 5607				
Hardness:	60 IRHD	Field of application <sup>2</sup> :	I – WA	Remarks:	
Ozone Class <sup>1</sup> :	1	Production method:	Injection mold		
Seal type	Plastic Retainer Ring				
Nominal Dimensions	63 - 315 mm				
Cross section	12 – 43 mm				
Seal type	Platinum Pressure Ring				
Nominal Dimensions	50 - 630 mm				
Cross section	8 – 77 mm				
Seal type	Metric Turner	~	>		
Nominal Dimensions	50 – 630 mm				
Cross section	9 - 31 mm				
I For prod in case of II For prod III For rubb package 2 Field of a I Water su II Water su III Hot wate Field of application	of connections with preins ucts for which a normal re- ers which are never (part s. application class accordin ipply at temperatures up f ipply at temperatures inte	ack by ozone, for instance talled rubbers under strain sistance to ozone is requi y) exposed to the open air g to BRL –K17504: o 50 °C; rmittently up to 110 °C, or ed on the classification cla	red. when they are in tensic water supply up to 110	upplied products without so on. Transport shall always °C in serviceable piping sy	take place in seale
WB As in E	BRL-K17504 class II; BRL-K17504 class II, for II	R-copolymer			

Kiwa authenticates this list. A copy of this list can be obtained from the producer.

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#### Vulcanised rubber products for cold and hot drinking water applications

#### Fitness for contact with drinking water

This product is approved on the basis of the requirements for hygienic aspects set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" ("Materials and chemicals in the supply of drinking water and warm tap water Regulation" dated 01-07-2017; published in the Government Gazette).

These hygienic aspects are based on two main criteria. The product shall permanently comply with:

- The product recipe approved during the assessment procedure. This recipe is not to be changed without prior approval by Kiwa according to the Kiwa approval procedure for the hygienic aspects;
- Specific product requirements for the hygienic aspects.

The recipe and specific product requirements are laid down in the for confidentiality reasons undisclosed 'appendix hygienic aspects' to this certificate.

#### MARKING

The following marks and indications must be provided on each product<sup>#</sup> and product packaging in a clear, legible and indelible way:

- the name of manufacturer or the deposited trade mark;
- Kiwa (or Kiwa<sup>®</sup> word mark) and additionally the Kiwa watermark <sup>♥</sup>;
- the nominal dimension or dimensions;
- the nominal hardness;
- the year of manufacturing and preferably the quarter;
- type of rubber applied by means of the letter codes of the nomenclature according to ISO 1629;
- the application class (I, II or III);
- on products from blends, the letter B ("blend") shall be placed behind the first letter code;
- the ozone resistance class ("Ozone I, II or III"). For rubber rings made from two compounds the compound with the lowest class is valid.

<sup>#</sup> If the dimensions of the products are such that the indications applied to them may impair the product, the products may be marked per package

in consultation with the manufacturer, the buyer and Kiwa. Products produced by cutting or die cutting out of sheets may be marked per package.

#### **APPLICATION AND USE**

The rubber rings are meant to be used in cold water applications (≤ 25°C

#### **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:

• Terramix S.A.

and, if necessary,

• Kiwa Nederland B.V.

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