

Product certificate K13314/06



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

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®-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 www.kiwa.nl in order to ensure that this certificate is still valid.

Company

Terramix S.A. 150 mts al este y 150 al sur POZOS DE SANTA ANA, SAN JOSE Costa Rica lseas@hulteccr.com Tel. 506 282 9900

BvA (

Kiwa Nederland B.V.

2280 AB RIJSWIJK The Netherlands

Tel. +31 88 998 44 00

Fax +31 88 998 44 20 info@kiwa.nl www.kiwa.nl

Postbus 70

Sir Winston Churchillaan 273



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

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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 ² :	I – WA	Remarks:	
Ozone Class ¹ :	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	Smy.		Sh	
Nominal Dimensions	80 - 600				
Cross sections	1 – 27 mm				
Seal type	Zadelmanchet MK4	M			
Nominal Dimension	40 mm				
Cross section	1 – 10 mm	r			
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	5			
Cross section	9 - 31 mm				
Seal type	H.D. Manchet	2	Seal type	H.D. Manchet	入
Nominal Dimension	50, 63, 75, 90, 110, 125, 160 mm		Nominal Dimension	200, 250, 315, 400, 500 mm	
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	1	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				
		\bigwedge			
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		X			
Cross section	0,5 – 11/23 mm					
Seal type	Izifit Vi Garniture					
Nominal Dimensions	63 mm					
Cross section	2 – 9 mm	~~~				
Nominal	75, 90, 110,	51		25/		
Dimensions	125, 140, 160 mm					
Cross section	0,5 – 11/23 mm					
Rubber Compound:	EPDM HT 5607			-		
Hardness:	60 IRHD	Field of application ² :	I – WA	Remarks:		
Ozone Class ¹ :	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					
 Ozone resistance class according to BRL-K17504: For products with a high risk of attack by ozone, for instance in case of separately supplied products without sufficient packaging or in case of connections with preinstalled rubbers under strain. For products for which a normal resistance to ozone is required. For rubbers which are never (partly) exposed to the open air when they are in tension. Transport shall always take place in sealed packages. Field of application class according to BRL –K17504: Water supply at temperatures up to 50 °C; 						
II Water supply at temperatures intermittently up to 110 °C, or water supply up to 110 °C in serviceable piping systems; III Hot water circulation systems based on the classification class 2 in ISO 10508; Field of application class according to EN 681-1: WA As in BRL-K17504 class I; WB As in BRL-K17504 class II; WE As in BRL-K17504 class II, for IIR-copolymer.						

Details of the products are included in the drawing list, which forms a part of the IQC schedule.

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

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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[#] and product packaging in a clear, legible and indelible way:

- the name of manufacturer or the deposited trade mark;
- Kiwa (or Kiwa[®] word mark) and additionally the Kiwa watermark [₩];
- 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.

[#] 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.