MASTERTEC GmbH & Co. KG
Spezialartikel für den Stahlbetonbau

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DATA SHEET

RONDO Sealing Collar | RO 50 | Standard

Tightening of pipes with outer diameter 48 - 53 mm

Article number: 090906





RONDO sealing collars securely seal pipes and cables made of plastic, steel, fibre cement and vitrified clay against a water column of up to 100 m (10 bar). The bushings in concrete foundations and walls are securely sealed against groundwater and pressurised water.

Visit website

Installation instructions

See the price list

en Stand: 09.10.2026

4251689517051

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Technical details

suitable for outer diameter:	48- 53 mm
density:	approx. 1,17 kg/dm³
hardness:	approx. 55 ± 5 Shore A
tensile strength:	approx. 6,5 N/mm²
elongation at break:	approx. 380 %
service temperature range:	approx. -30° C bis +70° C
test certificate / approvals:	Test report MFPA Leipzig No.: PB 5.1 / 13-164 Alkali resistance (RO 10 – RO 400) MPA Braunschweig (1200/642/15b) – Pan of 26.01.2016 Radon tightness (RO 10 - RO 400) Dr. Joachim Kemski 2016090901d v. 19.09.2016
resistances:	e.g. • Diluted acids (green/black) • Diluted alkalis (green/black) • Oil and bitumen (green) • Methane gas (green) • Ozone (green) Further resistances are available on request
Substances according to the SVHC list contained or proportional weight ≥0.1%:	No

confirm to REACH Guideline:	Yes
waterpressuretightness:	10 bar (100 m water column) 3 bar (30 m water column) when installed on corrugated pipes
material:	TPE mixture

Resistance:

Medium	resistant
Soap suds	Yes
Sodium hydroxide	Yes
Potassium hydroxide	Yes
Ethanol 20%	Yes
Ethanol 99.9%	Yes
Isopropanol	Yes
Ammonia 23%	Yes
Acetic acid 10%	Yes
Acetic acid 25%	Yes
Lactic acid 50%	Yes
Nitric acid 10%	Yes
Nitric acid 20%	Yes
Sulfuric acid 5%	Yes
Tartaric acid 25%	Yes
Citric acid 50%	Yes
Hydrogen peroxide 35%	Yes
Hydrofluoric acid 7%	Yes
Petrol	Yes
Diesel	Yes
Biodiesel	Yes
Mineral oil 15W40	Yes
Motor oil 0W40	Yes
Hydraulic oil HVLP 46	Yes
Transformer oil*	Yes
Sea water 3-4% NaCl	Yes
Chlorine water 0.95-1 mg/l	Yes
Chlorine water 10 mg/l (shock chlorination)	Yes
Sodium carbonate	Yes
Bitumen	Yes
Additional media	On request

* Internal resistance test performed over 36 days.

colour:	green

General information

Article number:	090906
article group:	400 - Rondo Typ Standard
GTIN:	4251689517051
customs tariff number:	40169300
packing unit:	pc
sales quantity unit:	1 Stk
storage:	Store in a dry place and out of direct sunlight
disposal:	Can be disposed of at municipal waste landfill sites, taking into account the local waste disposal regulations.

Basis

All dimensions and information in this data sheet reflect the results of the laboratory tests that have been carried out. Deviations from the values determined by us under laboratory conditions are possible due to environmental and operating conditions beyond our control. The data in this data sheet only applies for the product delivered by us. The product data corresponds only to the specifications in Germany. Possible country-specific deviations are not taken into account here.

Lifetime

The useful life of buildings is designed for 50 years, and so are the products that are installed. However, this can be shortened by external influences. The expected lifetime of our products depends to a large extent on the installation location (e.g. buried installation, damp environment, offshore, etc.). In addition, there are external influences such as exposure to chemical influences (e.g. acids, aggressive media, aqueous solutions, industrial waste water, oils, etc.) and ambient temperatures / operating temperatures. Ultimately, no generally valid statement can be made about the guaranteed service life of our MASTERTEC products, as this depends on many parameters (use, environmental influences, installation requirements, safety regulations, etc.). To ensure safe operation, we recommend continuous testing of the product, as part of an operating and maintenance manual to be prepared by the customer in accordance with the safety requirements.

Indication of law

The technical information reflects our current knowledge of the product described. It is intended only as information for users. As we do not know the envisaged applications and processing conditions, it is the responsibility of the user to carefully check that the product is suitable for the intended purposes. Due to the different components at the installation site and the working conditions in place there, MASTERTEC cannot provide any guarantee whatsoever for the result of the work. Claims arising from any legal relationship can only be recognised in the event of wilful intent or gross negligence, irrespective of the statements made here or advice provided verbally. In this case the user must prove that he has provided MASTERTEC in writing with all the information required to correctly assess the installation situation in good time. Subject to necessary product specifications or further developments. By providing this information MASTERTEC does not intend to infringe third party rights. The latest data sheet in each case applies. Our corresponding terms and conditions of sale and delivery apply.

The previous data sheets are no longer valid

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