

CERTIFICATES

Approval Number: 1908519
Test Report: MA6997/R



Water Regulations Advisory Scheme Ltd.
Unit 13,
Willow Road,
Pen-y-Fan Industrial Estate,
Gwent,
NP11 4EG
INDIA

14th August 2019
Insaplex
79 Valmiki Street,
Thiruvanniyur,
Chennai-41,
India

WATER REGULATIONS ADVISORY SCHEME LTD. (WRAS) MATERIAL APPROVAL

The material referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6920-1:2000 and/or 2014 'Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water'.

The reference relates solely to its effect on the quality of the water with which it may come into contact and does not signify the approval of its mechanical or physical properties for any use.

RUBBERS - ETHYLENE PROPYLENE DIENE MONOMER (EPDM) - COMPONENTS. 5360

'Corinrubber 4070 gaskets'. Black coloured, compression moulded EPDM rubber gaskets. Shore hardness 70. Tested in-radius size between 1.56mm & 3.95mm. For use with water up to 80°C.

APPROVAL NUMBER: 1908519
APPROVAL HOLDER: INSAPLEX

The Scheme reserves the right to review approval.
Approval 1908519 is valid between August 2019 and August 2024

An entry, as above, will accordingly be included in the Water Fittings Directory on-line under the section headed, 'Materials which have passed full tests of effect on water quality'.

The Directory may be found at: www.wrass.co.uk/directory

Yours faithfully

Jason Furnival
Approvals & Enquiries Manager
Water Regulations Advisory Scheme

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Hygiene-Institut des Ruhrgebiets

Institut für Umwelthygiene und Toxikologie
Direktor: Prof. Dr. rer. nat. L. Duesmann
Träger: Verein zur Bekämpfung der Volkskrankheiten im Ruhrkohlegebiet e.V.



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Reference No.: K-236998-18-KoSt
Contact person: Dr. Andreas Koch
Postfach: K-276750-18-KoSt
Gelsenkirchen, 20.11.2018

TEST CERTIFICATE according to the transitional rule of the Elastomer-Guideline (Issue date: 23.02.2016)

Product: CORIRUBBER 4070
EPDM gaskets DN 15 - DN 2000

Test specimen: gaskets Ø_{ext} 90 mm, Ø_{int} 22 mm, thickness: 4 mm (black)
segments: 120 mm x 100 mm x 8 mm (black)

The above mentioned product was tested according to the Guideline on the hygienic assessment of elastomers in contact with drinking water of the German Environment Agency. Pursuant to the test report no.: K-236998-13-Ko dated 30.10.2013 the product meets the requirements for the product group:

Seals for pipes with DN < 80 mm in contact with
cold water (23 °C) and warm water (60 °C).

All product groups for which the requirements are met are summarised on the back side.

The certificate is valid providing that the requirements, laid down in the Guideline regarding the testing of the microbial growth are fulfilled. This can be verified for the product f.e. with a valid test certificate according to the DVGW technical rule W 270.

This test certificate is valid beginning with the date of issue and is ending by 31.12.2021.

The Director of the Hygiene-Institute
on behalf of:

Dr. rer. nat. Andreas Koch
Head of the Dept. for water
hygienic material testing



The assessment was based on the assumption that the use starting conditions and maintenance use in manufacture the product may completely correspond to other substances as specified in the standard. The validity of this document requires in case of major changes in the scope and/or in the subject of the prevailing conditions. The results are not valid in case of major changes. This document may not be published without our written permission (only copies and changes are permitted).

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Reference No.: K-292771-17-Ko
Contact person: Dr. Andreas Koch
Gelsenkirchen, 12.12.2017

TEST CERTIFICATE according to the transitional rule of the Elastomer-Guideline

Product: CORIRUBBER 3040
NBR GASKETS DN 15 - DN 2900

Test specimen: Gaskets 50x22x3mm, black (manufacturer's information)

The above mentioned product was tested according to the Guideline on the hygienic assessment of elastomers in contact with drinking water of the German Environment Agency. Pursuant to the test report no.: K-281978-17-Ko dated 08.03.2017 and K-292771-17-Ko dated 12.12.2017 the product meets the requirements for the product group:

Seals for pipes with DN < 80 mm in contact with cold water (23°C) and warm water (60°C).

All product groups for which the requirements are met are summarised on the back side.

The certificate is valid providing that the requirements, laid down in the Guideline regarding the testing of the microbial growth are fulfilled. This can be verified for the product f.e. with a valid test certificate according to the DVGW technical rule W 270.

This test certificate is valid beginning with the date of issue and is ending by 31.12.2021.

The Director of the Hygiene-Institute
on behalf of:

Dr. rer. nat. Andreas Koch
Head of the Dept. for water
hygienic material testing



The assessment was based on the assumption that the use starting conditions and maintenance use in manufacture the product may completely correspond to other substances as specified in the standard. The validity of this document requires in case of major changes in the scope and/or in the subject of the prevailing conditions. The results are not valid in case of major changes. This document may not be published without our written permission (only copies and changes are permitted).

Träger: Verein zur Bekämpfung der Volkskrankheiten im Ruhrkohlegebiet e.V., Vereinsregister: VR 519 Amtsgericht Gelsenkirchen, USt-Id: DE15618355
Vorstand: Prof. Dr. Werner Sölkow (Vors.), Prof. Dr. Jürgen Knechtmann, Dr. Gerald Günz, Dr. Dirk Wader, Prof. Dr. Lutz Duesmann (geschäftl. Vorstand)

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Reference No.: W-259162e-15-SI/ko
Business: W-259162e-15-SI/ko
Contact person: Mrs. Dr. Ch. Schell
Gelsenkirchen, 28.02.2018

TEST CERTIFICATE (Prolongation of test certificate W-259162e-15-SI/ko)

Enhancement of Microbial Growth on Materials to Come into Contact with Drinking Water
Test pursuant to DVGW Technical Standard W 270, November 2007

Client: Insaplex
79, Valmiki street,
Thiruvanniyur
CHENNAI-600041
INDIA

Test material: CORIRUBBER 4070
Test method: Material test

According to test report W-241163ek-14-SI of 10.03.2014, the material CORIRUBBER 4070 is conform to the requirements for the use in the area of drinking water systems pursuant to DVGW Technical Standard W 270 for sealings, joints and gaskets with smaller surface etc. (D2). Details regarding testing procedure and test results are itemized in the test report.

This test certificate is valid from the date of issue and, given that the conditions and requirements remain unaltered, expires on 31.12.2021.

The Director of the Institute
p.p.

Dr. Ch. Schell
Head of Laboratory
Department of Water Hygiene and Environmental Microbiology

The test results and conclusions refer exclusively to the material and conditions and all applicable regulatory provisions. The validity of the document expires in case of modifications in the composition of the material or the processing conditions. This document may only be published and modified with the approval of the Institute. The document is not valid in case of major changes.

Träger: Verein zur Bekämpfung der Volkskrankheiten im Ruhrkohlegebiet e.V., Vereinsregister: VR 519 Amtsgericht Gelsenkirchen, USt-Id: DE15618355
Vorstand: Prof. Dr. Werner Sölkow (Vors.), Prof. Dr. Jürgen Knechtmann, Dr. Gerald Günz, Dr. Dirk Wader, Prof. Dr. Lutz Duesmann (geschäftl. Vorstand)