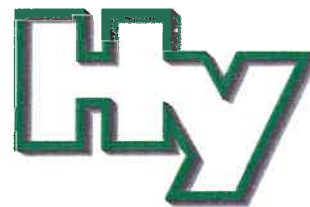


Hygiene-Institut des Ruhrgebiets

Institut für Umwelthygiene und Toxikologie

Direktor: Prof. Dr.rer.nat. Lothar Dunemann

Träger: Verein zur Bekämpfung der Volkskrankheiten im Ruhrkohlengebiet e.V.



HYGIENE-INSTITUT · Postfach 10 12 55 · 45812 Gelsenkirchen / GERMANY

RKW SE
Business Unit Werra
Industriestr. 2-6
36269 Philippsthal
GERMANY

Visitors-/Parcel Address:

Rotthauer Str. 21
45879 Gelsenkirchen

Telephone +49 (0) 209 9242-0
Extension +49 (0) 209 9242-351
Telefax +49 (0) 209 9242-212
E-Mail a.bernoussi@hyg.de
Internet www.hyg.de

Reference-No.: K-230298-13-Bs/st
Contact person: Anasse Bernoussi (Eng.)
Translation: K-230297-13-Bs/st

Gelsenkirchen, 27.05.2013

TEST CERTIFICATE according to the KTW-Guideline

Product: wepelen sealing sheeting quality FPP 0.5 mm and 1.5 mm

Test Specimen: Segments sealing sheeting FPP 0.5 mm, black (surface $\approx 456 \text{ cm}^2$)
Segments sealing sheeting FPP 1.5 mm, black (surface $\approx 456 \text{ cm}^2$)

The test specimen meets the requirements according to the test reports dated **14.09.2012 Ref.-No.: K-221054-12-Bs/st** and **27.05.2013 Ref.-No.: K-230297-13-Bs/st** for the following application(s) and temperature(s), as far as technically suited:

Applications:	cold water (23°C)	warm water (60°C)	hot water (85°C)
Pipes with DN < 80 mm (domestic distribution)	---	---	---
Pipes of diameter 80 mm $\leq$ DN < 300 mm (supply pipes)	---	---	---
Pipes of diameter DN $\geq$ 300 mm (main pipes)	---	---	---
Fittings for pipes with DN < 80 mm	passed	---	---
Fittings for pipes with 80 mm $\leq$ DN < 300 mm	passed	---	---
Fittings for pipes with DN $\geq$ 300 mm	passed	---	---
Sealings for pipes with DN < 80 mm	passed	---	---
Sealings for pipes with 80 mm $\leq$ DN < 300 mm	passed	---	---
Sealings for pipes with DN $\geq$ 300 mm	passed	---	---
Tanks in the domestic installations including repair systems	passed	---	---
Tanks other than in domestic installations including repair systems	passed	---	---

If pipes, sealings or fittings and ancillaries do not differ in their material composition and process of manufacture, testing of the smallest diameter of the product range is sufficient.

This test certificate is valid beginning with the date of issue and is ending by **14.09.2017** as far as there are no changes in the formula.

The Director of the Hygiene-Institute
on behalf of


Claudia Karau

Food chemist
substitutional Head of the Dept. for
water hygienic material testings



The assessment was based on the assumption that the used starting substances and monomers used to manufacture the product may completely known and no other substances are present in the product. The validity of this document expires in case of modifications in the composition of the product or the processing conditions. The results and evaluations refer to the groups of test items. This document may not be published without our written permission only complete and unchanged or duplicated.



Träger: Verein zur Bekämpfung der Volkskrankheiten im Ruhrkohlengebiet e.V., Vereinsregister: VR 519 Amtsgericht Gelsenkirchen, USt-ID: DE125018356
Vorstand: Prof. Dr. Werner Schlake (Vors.), Prof. Dr. Jürgen Kretschmann, Dr. Emanuel Grün, Volker Vohmann, Prof. Dr. Lothar Dunemann (geschäftsführ. Vorstand)