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Gelsenkirchen, 31.03.2011

## TEST CERTIFICATE according to the UBA-Guideline for the hygienic assessment of "organic coatings in contact with drinking water"

**Product:** coating system ML-WGL (blue and green) and in another colouring  
**Test specimen:** pipe segment DN 100 (blue) and pipe segment DN 100 (green)  
**First issue:** 09.06.2004 (Ref.-No.: C-117880-04-Ko/st)

The test specimens meet the requirements according to the test report dated **26.01.2006 Ref.-No.: C-135998-06-Ko/st** and dated **03.12.2009 Ref.-No.: K-184605-09-Sf/st** (Colourfastness) for the following applications and temperatures:

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 ≤ DN < 300 mm (supply pipes)	passed	passed	---
Pipes of diameter DN ≥ 300 mm (main pipes)	passed	passed	---
Fittings for pipes with DN < 80 mm	passed	passed	---
Fittings for pipes with 80 mm ≤ DN < 300 mm	passed	passed	---
Fittings for pipes with DN ≥ 300 mm	passed	passed	---
Sealings for pipes with DN < 80 mm	passed	passed	---
Sealings for pipes with 80 mm ≤ DN < 300 mm	passed	passed	---
Sealings for pipes with DN ≥ 300 mm	passed	passed	---
Tanks in the domestic installations including repair systems	passed	passed	---
Tanks other than in domestic installations including repair systems	passed	passed	---
Repair systems for tanks in domestic installations with 1/100 of the area of the tank	passed	passed	---
Repair systems for tanks other than in domestic installations with 1/100 of the area of the tank	passed	passed	---

as far as technically suited.

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 **09.06.2014** as far as there are no changes in the formula.

The Director of the Hygiene-Institute  
on behalf of

Dr. rer. nat. Andreas Koch  
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.

