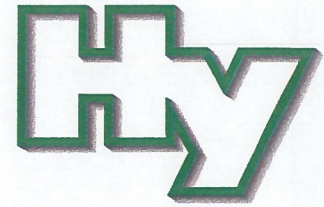


# Hygiene-Institut des Ruhrgebiets

Institut für Umwelthygiene und Toxikologie

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

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



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Reference-No.: K-257213-15-Ko  
Contact person: Dr. Andreas Koch  
Prolongation: K-185892-10-Ko

Gelsenkirchen, 26.05.2015

## TEST CERTIFICATE according to the UBA-Coating Guideline

**Product:** Ha Cut AF (injection resin) + Ha Cut Cat AF (accelerator)

**Test specimen:** test plates (amber)

The test specimen meet the requirements according to the test report no.: **14.01.2010 Ref.-No: K-185892-10-Ko** 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 ≤ DN < 300 mm (supply pipes)	---	---	---
Pipes of diameter DN ≥ 300 mm (main pipes)	---	---	---
Fittings for pipes with DN < 80 mm	---	---	---
Fittings for pipes with 80 mm ≤ DN < 300 mm	---	---	---
Fittings for pipes with DN ≥ 300 mm	---	---	---
Sealings for pipes with DN < 80 mm	---	---	---
Sealings for pipes with 80 mm ≤ DN < 300 mm	---	---	---
Sealings for pipes with DN ≥ 300 mm	---	---	---
Tanks in domestic installations including repair systems	---	---	---
Tanks other than in domestic installations including repair systems	---	---	---
Repair systems for tanks in domestic installations with 1/100 of the area of the tank	---	---	---
Repair systems for tanks other than in domestic installations with 1/100 of the area of the tank	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 **14.01.2020** 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 testing



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.



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