

(Certified English Translation)



LADR GmbH

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- State approved
- Accredited by:



DAP PL-3022-00

Geesthacht, 10 July 2009

Test Certificate

according to KTW recommendations
(Federal Health Gazette 20, 1977)

(This test was implemented in accordance with the requirements of the KTW recommendation dated October 2005.)

Applicant: WEBAC Chemie GmbH
Fahrenberg 22
22885 Barsbüttel near Hamburg
Germany

Product: Polyurethane Injection Resin
WEBAC®1403P

Test type: Product Testing

According to the test report of 10 July 2009, **laboratory number 26446-00-01**, the test samples of WEBAC®1403P provided fulfill the requirements of the KTW recommendations for the following

Application Range(s):

Temperature Range(s):

	Cold water	Warm water	Hot water
A Pipes	---	---	---
B Containers	---	---	---
C Equipment gear	---	---	---
D1 Large-surface sealants	fulfilled	---	---
D2 Other sealants and adhesives	---	---	---

if the material is suitable for these in technical terms.

Head of Laboratory: (signature)

¹ Medical Supply Center Dr. Kramer and Colleagues
² Dept. of Water-Sewage-Environmental-Hygiene

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WEBAC Chemie GmbH
Fahrenberg 22

DAP PL-3022-00

22885 Barsbüttel near Hamburg

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Test Report

(This test was implemented in accordance with the requirements of the KTW recommendation dated October 2005.)

Laboratory No.:	26446/00/01	KTW classification:	D1, large-surface sealants
Manufacturer:	WEBAC Chemie	O/V ⁵ ratio:	1:25 cm ² /cm ³
Type of sample:	PU Injection Resin	Test sample surface:	50.3 cm ²
Name of sample:	WEBAC [®] 1403P	Test water volume:	1260 ml

Test results:

Parameter	After 3 days	After 6 days	After 9 days	KTW requirement after 9 days
pH	6.60	6.70	6.65	6.5-9.5
Color (436 nm)	<0.1	<0.1	<0.1	DIN 38404 C5
1/m				n.n.b.
Turbidity	<0.1	<0.1	<0.1	(≤0.5 for 436 nm)
TE/F				DIN EN ISO 7887
Tendency to foam formation	none	none	none	n.n.b.
Threshold odor number (20° C)	1	1	1	(≤1.5)
TOC (mg C/m ² *day)	70	35	14	DIN EN ISO 7027
Oxidation reaction with chlorine (mg Cl ₂ /m ² *day)	44	15	10	n.n.b.
				≤2
				≤60
				DIN EN 1484
				≤75
				DIN EN ISO 7393-2

n.n.b. = no detectable influence

Assessment:

The test samples of **WEBAC[®]1403P** provided fulfill the requirements according to the KTW recommendations of the Federal Health Dept. for the application range D1 "Large-Surface Sealants" (O/V ratio 1:25 cm²/cm³). No aromatic amines are verifiable qualitatively.

Head of Laboratory: (signature)

In my capacity as a public translator for the English language, duly commissioned and sworn by the President of the Regional Court of Heidelberg (Landgericht Heidelberg), I hereby confirm that the foregoing is a true and complete translation of the German document submitted to me in the original.

Heidelberg, Germany
14 September 2009



³ Medical Supply Center Dr. Kramer and Colleagues
⁴ Dept. of Water-Sewage-Environmental-Hygiene
⁵ surface/volume