

Grouttech
Industrieweg 51
NL-8071 CS Nunspeet
Nederland

Geesthacht, 31. May 2021

Test Certificate
according to the KTW recommendations
(Federal Health Gazette 20, 1977ff)

(This test was implemented in accordance with the requirements of the KTW-recommendation of October 2008.)
Note: The actual state of the KTW recommendations given by the German Federal Environmental Agency (UBA)
was published in March 2016.

Applicant: Grouttech
Industrieweg 51
NL-8071 CS Nunspeet
Nederland

Product: Grouttech 1420
Injektion resin

Test type: product testing

According to the test report dated May 28, 2020 the test boards **Lab.-No. U-21-03239-001**
Grouttech 1420 fulfill the requirements for use in the drinking water sector of the KTW- recommendations for
the following

Application area(s)	Temperature range(s)		
	cold water	warm water	hot water
A Pipes	--	--	--
B Containers	--	--	--
C Equipment gear	--	--	--
D1 Large-surface sealants	fulfilled	--	--
D2 Small-surface sealants	--	--	--

if the material is suitable for these in technical terms.

Head of Department:
(Dr. S. Dageförde)



The validity of this report is 5 years from the date of issue and can be extended once for another 5 years.

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Test report

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Laboratory-No.:	U-21-03239-001	KTW-classification:	D1 "Large-surface sealants "
Manufacturer:	Grouttech	Proportion of surface and volume:	1:25 cm ² /cm ³
Type of sample:	Injektion resin	Test sample surface:	54,1 cm ²
Sample name:	Grouttech 1420	Test water volume:	1352 mL

Test results:

Parameter	after 3 days	after 6 days	after 9 days	KTW-requirements after 9 days
pH	8,03	8,12	8,07	6.5–9.5 DIN 38404 C5
absorption coefficient „colour“ (436nm)1/m	0,13	0,15	0,12	n.c.i. (≤0.5) DIN EN ISO 7887
Turbidity TE/F	<0,10	<0,10	<0,10	n.c.i. (≤1.5) DIN EN ISO 7027
Tendency of foam formation	n.c.i.	n.c.i.	n.c.i.	n.c.i.
Threshold odour number (20°C)	1	1	1	≤2
TOC (mg C/m ² *day)	104,9	60,1	58,4	≤60 DIN EN 1484
Oxidation reaction with chlorine (mg Cl ₂ /m ² *day)	8,2	0,0	6,6	≤75 DIN EN ISO 7393-2

n.c.i. = not considerably influenced

Assessment:

The provided test samples of **Grouttech 1420** fulfill the requirements for use in the drinking water sector according to the KTW recommendations of the German Federal Health Department dated Oktober 2008 for the application range D1 " Large-surface sealants" (surface/volume = 1:25 cm²/cm³).
 Aromatic Amines were not quantitatively detectable.

Head of Department:
 (Dr. S. Dageförde)



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