

Test report no.: 218058/21-II

Client: RENOLIT IBERICA, S.A.
Carretera del Montnegre, s/n
08470 Sant Celoni
SPAIN

Order: Determination of permeability to liquids according to EN 14150 on
the waterproofing membrane "Renolit Alkorplan Touch Vanity"

Letter of: 2021-07-21 **Ref.:** PO39698
Sample received: 2021-06-08 **Sample taken:** -
Test period: 2021-06-09 till 2021-09-08

This test report comprises 3 pages.

Würzburg, 2021-09-13
Har/wet

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Die auszugsweise Wiedergabe, Vervielfältigung und Übersetzung dieses Berichtes bedarf der schriftlichen Genehmigung der SKZ - Testing GmbH. Die Ergebnisse beziehen sich auf die geprüften Produkte. Der Akkreditierungsumfang kann im Internet unter www.skz.de eingesehen werden.

1 Order

The company RENOLIT IBERICA, S.A., Carretera del Montnegre, s/n, 08470 Sant Celoni, Spain, ordered the SKZ - Testing GmbH with letter dated 15 March 2021 with the determination of permeability to liquids according to EN 14150 on the waterproofing membrane "Renolit Alkorplan Touch Vanity".

2 Test material

On 08 June 2021, SKZ – Testing GmbH received the following sample for testing:

- one sections of the waterproofing membrane "Renolit Alkorplan Touch Vanity", white/blue marbled, smooth/structured, size of each sample: 40 cm x 40 cm

SKZ – Testing GmbH had no influence on the selection of the test material.

3 Execution of test

Usually we carry out tests according to standards for which we have an accreditation. The list of all standards for which we are accredited is shown on the homepage at www.skz.de. In case of non-accredited procedures, they are marked with *.

The determination of permeability to liquids was carried out according to EN 14150: 2019-06 "Geosynthetic barriers - Determination of permeability to liquids".

The test parameters are listed below:

Type of volume measuring device:	type B
Test liquid:	deaerated water
Pre-treatment:	> 24 h storage in deaerated water
Number of specimens:	1
Test area of the specimen:	Ø 200 mm
Room temperature:	(22 ± 1) °C
Upstream pressure:	150 kPa
Downstream pressure:	50 kPa
Test duration:	85 days

4 Test results

The test result is summarised in table 1 and in figure 1.

Table 1: Test result - waterproofing membrane “Renolit Alkorplan Touch Vanity”

Characteristic	Test method	Unit	Result
			\bar{x}
Water flow rate	EN 14150:2019-06	$m^3/(m^2 \cdot d)$	$< 10^{-6}$ 1)

\bar{x} = arithmetic mean value

- 1) According to EN 14150, if the values obtained for a waterproofing membrane are below the threshold of sensitivity of the test method (i.e. $10^{-6} m^3/(m^2 \cdot d)$), then the value of water flow rate is declared as being less than $10^{-6} m^3/(m^2 \cdot d)$

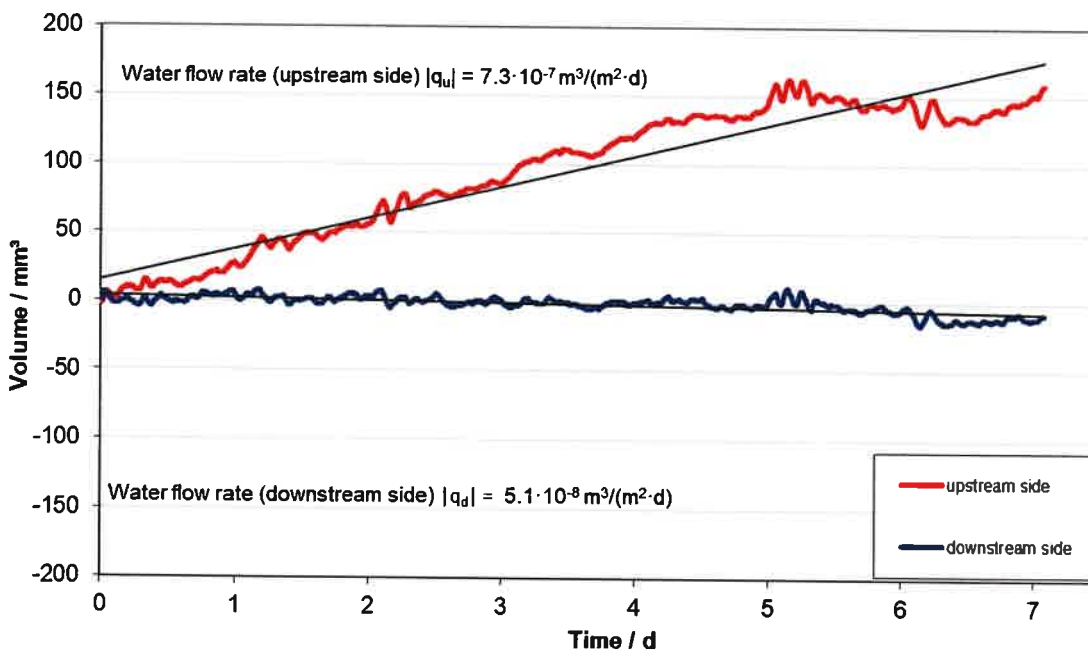


Figure 1: Volume at the upstream side and downstream side of the specimen during the last 7 days of test period - waterproofing membrane “Renolit Alkorplan Touch Vanity”

