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Belgien

Determination of air permeability

(1 appendix)

Test object

The tested material (named Tec7, Batchnumber 122315906996, white) was a flexible radon membrane that was casted in a mould by the client. The average thickness was 8.3 mm (measured in 16 locations). A random piece, size 220 x 310 mm was selected from the membrane. Photos of the material are shown in Appendix 1. The material was tested with no joints.

Test procedure

The testing was carried out in accordance with EN 12114.

The radon membrane was fixed like a lid on an airtight box with the “glossy” side facing the outside. In the airtight box a positive respective negative pressure of 100 and 300 Pa was maintained and the airflow to and from the box was measured. The measuring area was 0.05 m².

Results

The air permeability was below 0.2 m³/m²,h for all measurements.

Conditions of test

The test results refer only to the tested object.

Test date: 2013-03-05
Equipment used: Test rig no. 202435, measuring equipment no. 200750 and 202218.
Estimated error margin: Air pressure difference ± 2 Pa, airflow ± 5 %
Ambient temperature: Air temperature 20 °C, humidity 30 %, atmospheric pressure 988 hPa

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Performed by



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Appendix

1: Photos of the test object.

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Appendix 1

Photos of the test object

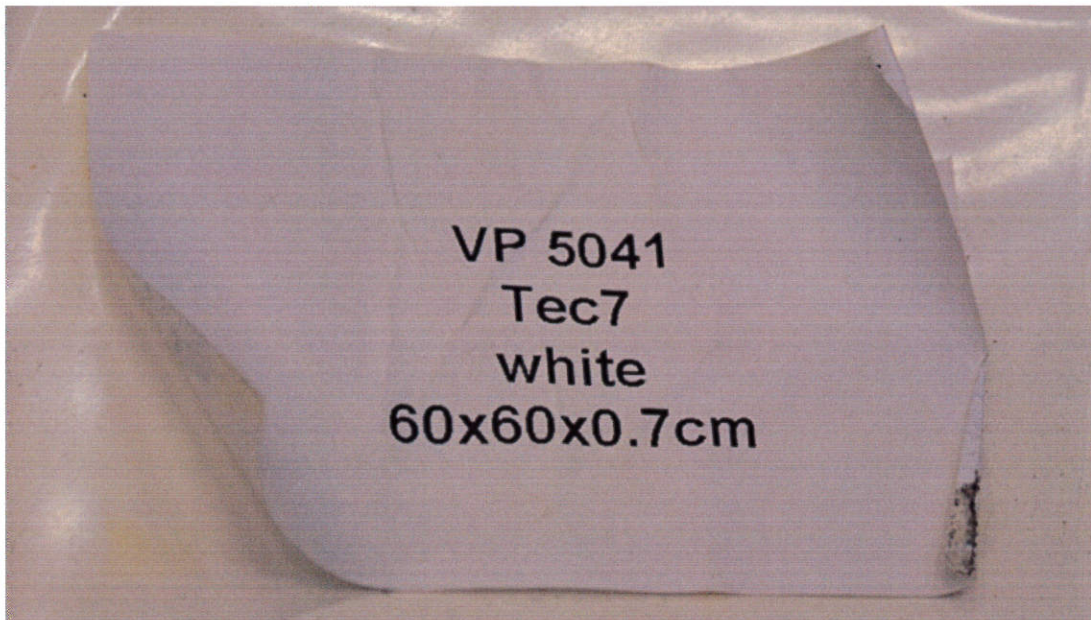


Figure 1. Product information/specification on the radon membrane.

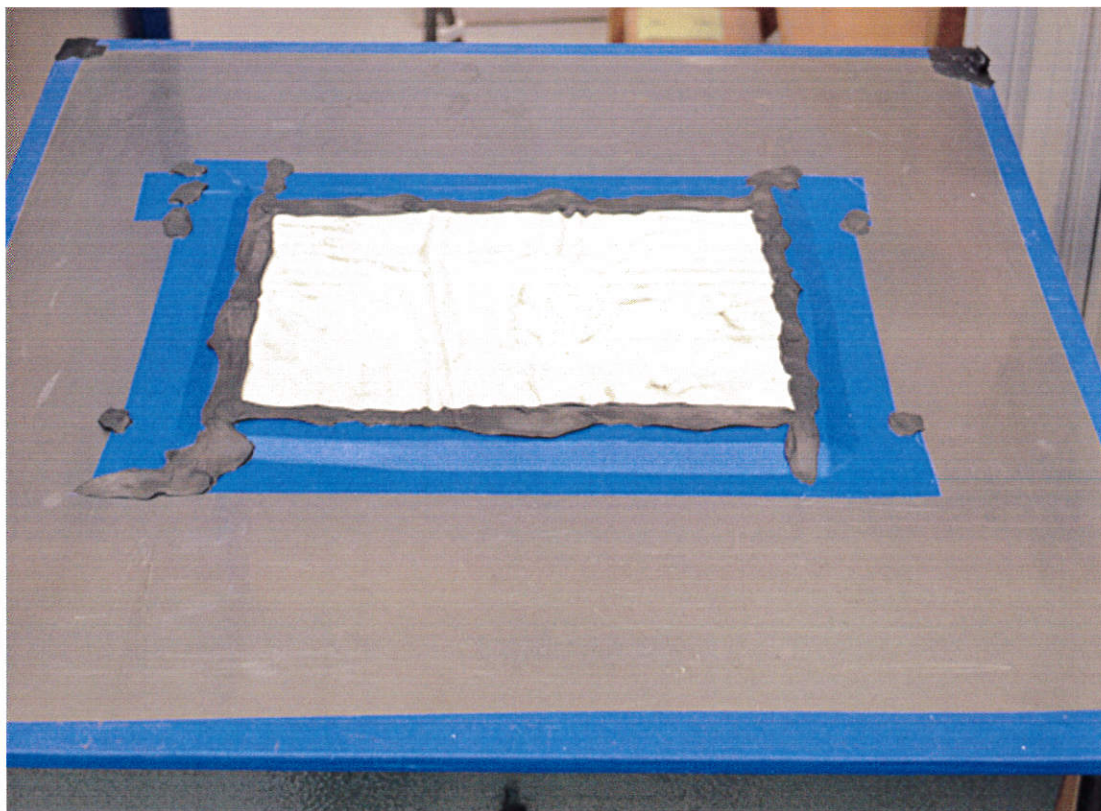


Figure 2. The radon membrane mounted on the airtight box.