

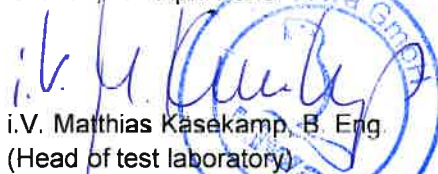
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Project: -  
Factory: -  
Date of order: 12 December 2019  
Test request: 1. Determination of gas transmission rate (test gas: methane and carbon dioxide, 23°C) according ISO 15105-1 (10.2007)\*  
2. Determination of radon diffusion coefficient and diffusion length (RADON manual)\*  
Material: sealing nonwoven (white) with one sided coating (blue)  
a) **Polyfleece SX 1000 Radon, Hydrobond GB**  
Number of samples: 1 piece (approx. 0,5 m<sup>2</sup>)  
Sampling: by customer  
Sample delivery date: 12 December 2019  
Test duration: 12 December 2019 - 02 April 2020

Greven, 02 April 2020

  
i.V. Matthias Käsekamp, B. Eng.  
(Head of test laboratory)

  
i.V. Dipl.-Ing. (FH) Christoph Staubermann  
(Staff of test laboratory)



## Summary of results

Date / Ref. : 02 April 2020 / str

Order by : ankox GmbH, Blumenstr. 42/1, 71106 Magstadt, GERMANY

Material : sealing nonwoven (white) with one sided coating (blue)  
**Polyfleece SX 1000 Radon, Hydrobond GB**

Test	Standard	Unit	Results
<b>Determination of gas transmission rate*</b> Test pressure: 1 bar Thickness Gas permeability (Methane (CH <sub>4</sub> )) at 23 °C / 0 % r.H. Gas permeability (Carbon dioxide (CO <sub>2</sub> )) at 23 °C / 0 % r.H.	ISO 15105-1 10.2007	mm ml/(m <sup>2</sup> (with 4,8m joint·d·bar) ml/(m <sup>2</sup> (with 4,8m joint·d·atm)	1,59 91 20
<b>Determination of radon diffusion coefficient and diffusion length</b> Measurement time: 280 h Radon diffusion coefficient D Radon diffusion length	RADON manual	m <sup>2</sup> /s mm	< 0,8 * 10 <sup>-12</sup> < 0,6 radontight

\* CH<sub>4</sub> / CO<sub>2</sub> exposed to the blue side. Test area: 603 cm<sup>2</sup> with 29 cm joint. Joint overlap: 7,5 cm. This means 217,5 cm<sup>2</sup> double layer joint area within the test area of 603 cm<sup>2</sup> (= 36 % joint area). Specimen mounted according following figure.

