

IAF - Radioökologie GmbH

Labor für Radionuklidanalytik | Radiologische Gutachten | Consulting

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Certificate

Radon Diffusion Coefficient

The radon diffusion coefficient D of the delivered material as a part of the sealing system "Wall-collar" has been measured for the company

The results are described in the following table.

| Description of variables | Measured values |
|--------------------------|--|
| Diffusion coefficient D | $4,42 \cdot 10^{-11} \text{ m}^2/\text{s}$ |
| Diffusion length L_D | 4,59 mm |
| Area of the Material F | 196 cm ² |

A material is characterized as "radon tight" if its thickness exceeds the associated radon diffusion length of the material at least by a factor 3.

A "radon tight" material is define by a diffusive radon penetration of no more than 5 %.



Dr. rer. nat. habil. Hartmut Schulz
managing director

Durch die Deutsche Akkreditierungsstelle GmbH nach
DIN EN ISO/IEC 17025:2005 akkreditiertes Prüflaboratorium.
Die Akkreditierung gilt für die in der Urkunde aufgeführten Prüfverfahren.



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