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1 *Test foam material in a 1 m³ chamber.*
2 *Thermal desorption GC/MS.*

EMISSION TEST ON BUILDING MATERIALS

VOC-ANALYSIS AND OLFACTORY ASSESSMENT

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Product emissions

Indoor building materials can have a significant effect on the air quality of apartments and of working environments. Emissions from these materials contaminate the ambient air, can accumulate and are also responsible for the impairment of well-being and, in the longer term, health. To ensure product quality in applications, special testing tools are essential. State of the art testing tools are standardized emission chamber tests useful for recording and validating emissions from materials. In particular in Germany and France mandatory and voluntary tests (e.g. AgBB, Afsset and Blue Angel) are used to classify high-value products and materials.

We offer qualified analyses and advisory services in the area of emissions from building materials.

Test services a Fraunhofer ICT

- Emission test according to DIN EN ISO 16000-9
- Studies according to AgBB, Afsset, Blue Angel
- Odor test according to ISO 16000-28
- Attendant online-measurement procedures
- Advisory services regarding test facilities and product emissions

Laborarory facilities at the ICT

- Emission chamber tests 21 l - 1 m³
- Online-MS/FID
- Thermal extractor
- Thermal desorption GC/MS
- HPLC
- Standard of comparison (ISO 16000-28)