Fraunhofer IBP

Enquiry form for hygrothermal material properties

Date: _____

Client

Name/Company: _____
Address: _____
E-Mail-address: _____

If the billing address is required to be different, please make a note of this when placing your order.

Material

Material type: _____
Product name: _____
Application area:_____
Production date:_____
Charge Number:_____

Other information about the material (e.g. multi-layered material, loose material, aged samples, etc.)

Measurement results used for:

☐ authorisation / approval (☐ ETA, ☐ DIBt, others: _____)
☐ WUFI®-dataset (for own use)
☐ WUFI®-dataset for inclusion in the WUFI®-database
☐ check of product properties (e.g. inspection)
☐ others: _____

Report language

☐ English ☐ German

Measurement

1. Measurement set:

☐ Includes all measurements required to create a WUFI®-dataset
The measurements depend on the material type and are described in the offer.

Additional information of insulation material:
Is the insulation material used as capillary-active interior insulation without a vapour barrier?
☐ yes ☐ *no* ☐ *possibly*

2. Single measurement:

☐ bulk density
☐ true density / porosity
☐ water vapour diffusion resistance (s_d- / µ-value)
- ☐ *23 °C, 0 – 50 % RH (dry-cup)*
- ☐ *23 °C, 50 – 93 % RH (wet-cup)*
- ☐ *special climate at 23 °C:* _____

☐ moisture storage (generally at 65, 80, 93 und 97 % RH)
☐ free saturation
☐ water absorption coefficient (A/w-value)
☐ determination of the liquid transport coefficients by "KAPI-Test"
☐ others: _____

Note! *The measurements are conducted in accordance with the standards applicable to the material type, which are described in the offer and report. For a WUFI® dataset, however, the measurement methods may need to deviate from standardised procedures in order to determine appropriate characteristic values for the hygrothermal simulation (corresponding descriptions are not yet included in the standards - but are already being processed). If your material is to be measured according to a specific standard, please specify here.*

Requested standard: _____

Other remarks

Please send us this form completed together with the following information (if available).

- Product data sheets
- For the insulation materials to be included in the WUFI® -database, we require a thermal conductivity test report from an independent testing institute. Alternatively, the thermal conductivity can also be measured at the Fraunhofer Institute for Building Physics in Stuttgart. In this case please check this box: ☐ Measurement of thermal conductivity required.