

History and objectives

The Dr. Robert Murjahn Institute (RMI) carries out scientific studies for its customers on current issues and test assignments in the fields of coating materials, facade systems, thermal insulation and building protection. It advises on product safety, health, hygiene and environmental issues relating to coating materials.

Founded in 2005, the RMI represents the overarching interests of the industry through public relations work and participation in associations and standardization bodies.

The institute is named after the chemist Dr. Robert Murjahn, who pioneered many groundbreaking innovations such as dispersion paint technology, which is now considered state of the art worldwide. We feel committed to his pioneering spirit.



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Dr. Robert-Murjahn-Institut

Research Institute for Coating Materials,
Facade Systems and Healthy Living



Managing Director
Dr. Helge Kramberger



The RMI is accredited according to DIN EN ISO/IEC 17025:2018 for a portion of the tests offered. The accreditation is only valid for the scope of accreditation listed in the document attachment D-PL-11204-01-00.

Directions



RMI 01/22 - CAP210236



Test offer

- Acoustics
 - Sound absorption (based on DIN EN 354)
 - Room and building acoustics
- Application-related product comparisons/blind tests
 - Even under climatic conditions
- Determination of salts harmful to the structure using ion chromatography
- Flexural strength
- Covering power
- Disinfectant resistance
- Compressive strength
- Emission chamber measurements of VOC, SVOC and formaldehyde and evaluation according to AgBB scheme and French regulation
- Moisture content
- Outdoor weathering tests
- Determination of the content of coating materials
 - VOC and SVOC by GC/FID and GC/MS
 - Preservatives using HPLC/UV and HPLC/MS/MS
 - Formaldehyde using photometry
 - Elemental determination using X-ray fluorescence analysis
- Gloss
- Adhesive tensile and tensile strength
- Hygrothermal behavior
 - Studies of thermal, moisture and weather protection surrounding the building envelope
 - Material and component testing for quality assurance
 - Development and implementation of innovative measurement methods and measurement technology
 - Hygrothermal building and component simulations
 - Identification of coating materials and binder types using FTIR spectroscopy
- Calorimetry
- Climate change stress
- Corrosion protection
- Artificial irradiation and weathering (UV and Xenon)
- Leaching of preservatives
- Microscopy of paint structures
- Minimum film forming temperature
- Wet abrasion resistance, cleanability
- Wet chemical analysis of coating materials (determination of solids content and loss on ignition as well as pigment and filler contents)
- Test specimen production
 - Fire test specimen
 - Crack bridging
 - Adhesive pull
 - Water absorption
 - Water vapor permeability
 - Customized according to requirements
- Testing of hygrothermal behavior
- Tests on site at objects/construction sites
- Crack bridging
- Anti-slip properties of floor coverings
- Shear strength
- Sorption capacity
- Thermogravimetry
- Viscosity/Rheology
- Thermal conductivity
- Water absorption/water permeability
- Water vapor permeability