

QUALITY CONTROL OF TWEHA® PRODUCTS

Advanced Product Chemistry Testing for Maximum Durability, Safety, and Reliability

In modern façade bonding systems, quality cannot be left to chance. The long-term durability, strength, and safety of an adhesive system depend entirely on the consistency and reliability of the product itself.

That is why quality control plays a central role in everything we do at TWEHA®.

Through advanced product chemistry testing and continuous analytical control, we ensure that every TWEHA® bonding system meets the highest standards for performance, safety, durability, and consistency.

Quality Starts with Scientific Control

Product chemistry testing is essential for protecting both users and project quality. It allows us to monitor, verify, and optimize the chemical and physical properties of our adhesive technologies throughout the entire development and production process.

At TWEHA®, our laboratories are equipped with state-of-the-art analytical and testing equipment, enabling us to consistently deliver high-performance bonding systems for demanding façade applications worldwide.

Our testing procedures evaluate critical characteristics such as:

- Chemical composition
- Adhesion and cohesion performance
- Durability under environmental exposure
- Mechanical strength
- Stability over time
- Product consistency and safety

This extensive testing ensures that TWEHA® products continue to perform reliably under the most demanding façade conditions.

Advanced Testing for Long-Term Façade Performance

Modern ventilated façade systems are exposed daily to extreme external influences, including:

- Temperature fluctuations
- Moisture and water exposure
- UV radiation
- Wind loads
- Environmental contamination
- Structural movement

To guarantee reliable long-term bonding performance, TWEHA® products are continuously tested under realistic environmental and mechanical conditions.

Our laboratories perform analyses on:

- Temperature resistance
- Water and moisture behavior
- Environmental durability
- Chemical stability
- Physical and mechanical properties

The exact testing parameters are carefully adapted to the specific needs and performance requirements of each project and client application.

Comprehensive Quality Assurance

TWEHA® product chemistry testing includes a broad range of quality control procedures designed to ensure maximum safety and product integrity.

Contaminant Detection

Advanced testing identifies and quantifies unwanted substances such as contaminants, toxins, heavy metals, and chemical residues that could negatively affect safety, durability, or product reliability.

Additive Testing

We verify that additives, stabilizers, pigments, and other components remain within strict quality and safety tolerances to guarantee consistent product performance.

Continuous Quality Control

Ongoing testing monitors critical parameters such as chemical composition, viscosity, texture, adhesion behavior, and mechanical performance to maintain constant product quality.

Authentication and Integrity

Testing procedures verify the composition and origin of materials, helping ensure product authenticity and preventing inconsistencies within the supply chain.

Shelf-Life and Stability Assessment

Long-term stability and shelf-life testing monitor how products behave over time under varying environmental conditions. This ensures reliable performance throughout storage, transportation, and application.

Compliance with Regulations and Standards

Continuous product testing helps ensure compliance with international regulations, façade industry standards, and evolve durability and safety requirements.

Innovation Through Research and Development

At TWEHA®, testing is not only about control — it is also about continuous innovation.

Our research and development teams use advanced product chemistry testing to optimize:

- Adhesion performance
- Mechanical strength
- Flexibility and elasticity
- Texture and workability
- Long-term durability
- Sustainable product formulations

This ongoing development allows TWEHA® to remain at the forefront of modern façade bonding technology.

Reliability You Can Trust

In today's façade industry, architects, façade engineers, contractors, and developers demand complete confidence in the products they specify and install.

TWEHA® delivers that confidence through:

- Advanced laboratory testing
- Continuous quality monitoring
- High-performance raw materials
- Proven durability
- Consistent manufacturing standards

Our commitment to quality assurance ensures that every TWEHA® bonding system performs safely, reliably, and consistently — project after project.

Building the Future with Proven Quality

As façade systems become increasingly sophisticated, the importance of certified quality, durability, and transparency continues to grow.

At TWEHA®, we combine advanced chemistry, technical expertise, and strict quality control to provide bonding technologies that meet the highest expectations of the modern construction industry.

Would you like to know more about TWEHA® quality testing procedures or high-performance façade bonding systems?

Our specialists are ready to support your next project with reliable, tested, and future-proof bonding solutions.