

EVER THOUGHT ABOUT BONDING SYSTEMS FOR VENTILATED CLADDING?

The world of construction is evolving rapidly. New technologies, smarter materials and innovative building methods are transforming the way we design and build façades. The future of façade engineering is no longer something far away — it is already happening today.

One of the most important developments in modern architecture is the rise of ventilated façade systems. These façade constructions not only define the appearance of a building, but also play a crucial role in durability, energy efficiency and long-term performance.

At TWEHA®, we have been shaping the future of bonded façade technology for almost 50 years.

Ventilated Façades Have Become More Complex Than Ever

Modern façade constructions have become significantly more sophisticated over the past decades. The increasing number of layers, materials and performance requirements means that façade detailing has never been more important.

In a ventilated façade system, the cladding serves as the protective outer skin of the building. It shields the inner construction against:

- Rain
- Wind
- UV radiation
- Moisture
- Temperature fluctuations

By protecting the inner structure, the façade directly contributes to:

- Improved durability
- Better thermal performance
- Long-term building protection
- Sustainable construction

However, achieving these benefits requires more than simply selecting attractive façade panels.

Good Design Determines Long-Term Performance

A ventilated façade system performs only as well as its design and execution.

Incorrect detailing, poor engineering or improper installation can seriously affect:

- Service life
- Structural reliability
- Moisture management
- Overall façade performance

That is why façade engineering requires both technical expertise and practical experience.

Unlike many adhesive suppliers, TWEHA® is not only a manufacturer of bonding systems.

Thanks to our engineering background, we also provide expert support in:

- Façade design
- Structural detailing

- Bonding technology
- Technical calculations
- Project engineering
- Installation guidance

This combination of technical knowledge and practical façade expertise makes TWEHA® a trusted partner for architects, façade engineers and contractors worldwide.

Why TWEHA® Bonding Systems Stand Out

The bonding systems of TWEHA® distinguish themselves through their unique composition and exceptionally high quality.

Our specially developed adhesive formulations provide outstanding performance in:

- Adhesion strength
- Tensile strength
- Shear strength
- Long-term durability
- Weather resistance

These characteristics are essential for modern ventilated façade systems, where safety, flexibility and reliability are critical.

The result is a bonding system that combines:

- Strong structural performance
- Clean façade aesthetics
- Invisible fixing technology
- Fast installation
- Sustainable façade construction

Proven Worldwide Reliability

Reliability is not a promise — it is a proven fact.

Today, TWEHA® bonding solutions can be found on thousands of buildings in more than 40 countries worldwide.

From residential developments to large-scale commercial projects, bonded ventilated façades continue to perform successfully under a wide range of environmental conditions.

Decades of real-world experience demonstrate that properly engineered bonded façade systems deliver:

- Long service life
- Minimal maintenance
- Outstanding visual quality
- Reliable structural performance

Sustainable Building Starts with Quality

At TWEHA®, quality is more than a product characteristic — it is the foundation of sustainable construction.

A truly durable façade requires:

- Intelligent design
- High-quality materials
- Professional application
- Technical expertise

Only when all these elements work together can a façade perform reliably for decades.

That is why continuity, quality and long-term performance remain central to everything we do.

Discover the Advantages of Bonded Ventilated Façades

Whether you are an architect, façade engineer, contractor or prefab specialist, TWEHA® helps you realize innovative ventilated façade solutions with confidence.

Curious about the advantages of bonded façade technology?

Want to know how TWEHA® can support your projects or customers?

Visit TWEHA® or contact our specialists for expert advice and tailored bonding solutions for modern ventilated façades.

TWEHA®, 2026