

TWEHA® ADHESIVE SYSTEMS CONTRIBUTE TO SUSTAINABLE AND GREEN BUILDING

Sustainability is no longer a trend — it has become an essential requirement in modern construction. Architects, developers and contractors worldwide are increasingly looking for building solutions that combine high technical performance with minimal environmental impact.

For decades, TWEHA® has taken a pioneering role in developing sustainable, safe and environmentally responsible bonding systems for the façade industry.

Our mission is clear: to create innovative adhesive technologies that contribute to greener, more durable and future-proof buildings.

A Pioneer in Sustainable Bonding Technology

One of the strongest examples of TWEHA®'s commitment to sustainability is the elimination of environmentally harmful and hazardous primers from our adhesive systems.

Traditional primer technologies often contain aggressive chemicals and solvents that are harmful to both the environment and the installer.

By developing advanced primer-free bonding systems, TWEHA® has helped create:

- Safer working conditions
- Cleaner installation processes
- Lower environmental impact
- More sustainable façade construction

This innovative approach perfectly aligns with modern green building principles.

Reduced Environmental Impact

TWEHA® sustainable adhesive and fastening systems are specifically developed with environmental responsibility in mind.

Our systems:

- Do not contain harmful solvents
- Are free from isocyanates
- Produce low CO₂ emissions during manufacturing

By combining cleaner raw materials with environmentally conscious production processes, the ecological impact of our bonding systems is significantly reduced.

This enables construction professionals to make more sustainable choices without compromising on performance or safety.

Supporting Sustainable Building Materials

Modern bonded façade technology makes it possible to apply a wide range of sustainable and recycled building materials in ventilated façade systems.

TWEHA® adhesive systems are ideally suited for bonding materials such as:

- Wood
- Metals
- Glass
- Recycled façade materials
- Innovative lightweight panels

By enabling these materials to be used in ventilated façade constructions, the dependence on less sustainable materials such as cement-intensive systems can be reduced.

The result:

- Lower ecological footprint
- Reduced material consumption
- More sustainable façade solutions

Built for Long-Term Durability

Sustainability is not only about environmentally friendly production — it is also about long service life.

High-quality adhesive and fastening systems contribute directly to the durability of façade constructions by maintaining strong and stable structural connections over many decades.

TWEHA® bonding systems help create façade solutions that are:

- Durable
- Weather resistant
- Structurally reliable
- Low maintenance

Longer-lasting façades reduce the need for premature renovation or replacement, which in turn lowers material waste and environmental impact over the lifetime of the building.

Less Waste During Construction

Traditional mechanical fastening methods often require large quantities of:

- Screws
- Nails
- Bolts
- Mechanical anchors

By replacing many of these components with efficient adhesive bonding systems, material usage can be significantly reduced.

This creates several advantages:

- Less construction waste
- Cleaner installation
- Faster assembly
- Easier recycling during renovation or demolition

Bonded façade systems therefore contribute to a more circular and resource-efficient construction process.

Supporting Green Building Certifications

The use of sustainable bonding systems can also contribute to achieving internationally recognized green building certifications, including:

- LEED (Leadership in Energy and Environmental Design)
- BREEAM (Building Research Establishment Environmental Assessment Method)

These certifications encourage environmentally responsible construction practices and are increasingly important in modern building projects.

By choosing TWEHA® adhesive systems, developers and contractors can support their sustainability objectives while increasing the environmental value of their projects.

Sustainable Innovation Without Compromise

At TWEHA®, sustainability and technical performance go hand in hand.

Our adhesive systems are designed to deliver:

- Maximum bonding reliability
- Long-term façade performance
- Safer installation processes
- Reduced environmental impact
- Support for circular construction methods

This makes TWEHA® a trusted partner for sustainable façade engineering worldwide.

Building the Future Together

The future of construction demands smarter, safer and more sustainable solutions.

With decades of experience in bonded façade technology, TWEHA® continues to innovate and support architects, engineers and contractors in realizing greener building projects around the world.

Would you like to learn more about sustainable bonding systems or discover what TWEHA® can do for your projects?

Contact our specialists at [info@TWEHA®.com](mailto:info@TWEHA.com) and discover the future of sustainable façade bonding.

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