

WHAT ACTUALLY IS THE COMPOSITION OF TWEHA® ADHESIVES?

The façade industry continues to evolve rapidly, with increasing demands for:

- stronger bonding performance,
- long-term durability,
- safer processing,
- and sustainable installation solutions.

As a result, modern adhesive systems require far more than simple bonding capability. They must combine:

- strength,
- flexibility,
- weather resistance,
- safety,
- and application efficiency

within one advanced product technology.

At TWEHA®, the development of high-performance adhesive systems has therefore always focused on one key objective: **creating adhesive technologies specifically engineered for professional façade bonding.**

Engineered Specifically for Façade Applications

The physical and chemical properties of TWEHA® adhesives are not accidental.

Every formulation is carefully developed and optimized for the unique demands of cladding panel bonding systems.

This means TWEHA® adhesives are designed to provide:

- high bond strength,
- permanent elasticity,
- excellent stress distribution,
- durable weather resistance,
- and reliable long-term performance.

At the same time, they are engineered for practical installation advantages such as:

- smooth application,
- easy extrusion,
- primer-free bonding on many substrates,
- and reliable processing even at low temperatures.

Designed for Safety and Sustainability

Modern construction not only demands performance —

it also demands safer and more environmentally responsible products.

That is why TWEHA® adhesive systems are developed without:

- Isocyanates,
- solvents,
- halogens,
- or aggressive acids.

By eliminating these harmful substances wherever possible, TWEHA® helps improve:

- installer safety,
- workplace conditions,
- environmental performance,
- and long-term sustainability.

This allows professionals to work with high-performance bonding systems while reducing health and environmental risks during application.

What Is Inside an Adhesive?



The exact composition of TWEHA® adhesive systems is, naturally, proprietary and confidential.

However, in general, professional bonding sealants are composed of carefully balanced combinations of:

- polymers,
- fillers,
- plasticizers,
- stabilizers,
- adhesion promoters,
- catalysts,
- and performance-enhancing additives.

Each raw material contributes specific properties such as:

- elasticity,
- strength,
- UV resistance,
- adhesion,
- weather durability,
- curing speed,
- or processing behavior.

Quality Depends on Raw Materials

The quality of an adhesive system is heavily influenced by:

- the type of raw materials used,
- the purity of those materials,
- and the precision of the formulation itself.

Higher performance requirements are almost always require:

- more advanced raw materials,
- stricter quality control,
- and more sophisticated product development.

That is why truly high-quality adhesive systems are never the cheapest products on the market.

Cheap Adhesives Often Become Expensive Problems

In façade bonding, choosing low-cost adhesive systems can eventually lead to:

- premature ageing,
- reduced elasticity,
- adhesion failure,
- UV degradation,
- or long-term structural problems.

What initially appears to be saving often results in:

- repair costs,
- project delays,
- maintenance issues,
- and reputational damage.

That is why the old saying remains true: **“Cheap becomes expensive in the end.”**

TWEHA®: Performance Through Engineering

At TWEHA®, adhesive development is driven by:

- technical expertise,
- extensive testing,
- practical façade experience,
- and continuous innovation.

Every bonding system is developed to meet the demanding requirements of modern façade construction while maintaining:

- safety,
- durability,
- sustainability,
- and ease of application.

Because successful bonding is not determined by marketing claims — it is determined by the quality engineered into every single component of the adhesive itself.

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