

ADHESIVES SPECIFICALLY FORMULATED FOR THE JOB AT HAND

In modern construction and façade engineering, selecting the right adhesive is just as important as selecting the right building material itself.

Whether the application involves:

- HPL panels,
- fiber cement boards,
- natural stone,
- ceramics,
- glass,
- ACP, ACM or metal,

Each substrate requires an adhesive system specifically formulated for that exact purpose. A “one-size-fits-all” solution simply does not exist when long-term durability, safety, and performance are required.

The Right Adhesive Makes the Difference

Professional adhesive systems are developed to perform under highly specific conditions.

Factors such as:

- substrate compatibility,
- thermal movement,
- moisture exposure,
- UV resistance,
- elasticity,
- and load distribution

all influence which adhesive is most suitable for a project.

Although higher-grade adhesives may initially appear more expensive, they almost always deliver superior long-term performance, reliability, and reduced maintenance costs.

Choosing the correct adhesive is not an expense — it is an investment in the lifespan and safety of the entire construction.

Choosing the Correct Adhesive Faster and Smarter

At TWEHA®, we use a clear category-based approach to simplify adhesive selection for every project.

The clearer the application category is defined, the easier and faster professionals can identify the correct bonding solution for:

- façade cladding,
- interior applications,
- structural bonding,
- or high-performance exterior systems.

This approach helps distributors, installers, architects, and contractors make confident decisions based on:

- substrate type,
- project requirements,
- environmental exposure,
- and expected performance.

Not Every Adhesive Bonds Every Substrate

One of the most important aspects in adhesive selection is substrate compatibility.

Different materials behave differently under:

- temperature fluctuations,
- moisture,
- mechanical stress,
- and environmental ageing.

As a result, not every adhesive can bond every substrate safely and durably.

That is why professional guidance and product knowledge are essential.

Before selecting an adhesive, it is important to determine:

- which materials are being bonded,
- what mechanical loads will occur,
- and under which environmental conditions the connection must be performed.

Only then can the optimal adhesive solution be selected.

What Professionals Value Most

Research among construction professionals consistently shows that the most important factors when selecting adhesives are:

- high bond strength,
- excellent substrate compatibility,
- fast initial grab,
- long-term durability,
- and reliable performance under stress.

These factors directly influence installation speed, project quality, and the long-term reliability of the finished construction.

The Hidden Risk of Choosing the Cheapest Product

One of the biggest mistakes in construction bonding is selecting the least expensive adhesive simply because mechanical fasteners are also being used.

In many applications, however, it is the adhesive — not the fastener — that prevents failure over time.

Common construction issues such as:

- floor squeaks,
- panel movement,
- nails,
- vibrations,
- or premature failures

are often caused by:

- insufficient adhesive application,
- incorrect product selection,
- or low-quality adhesives with inadequate bonding performance.

A lower purchase price can therefore quickly result in higher repair costs, callbacks, and reduced customer satisfaction.

Long-Term Performance Starts with the Right Knowledge

Successful adhesive bonding is not only about the product itself — it is about understanding the complete application.

Correct product selection, proper surface preparation, and professional application techniques are essential to achieve:

- safe installations,
- durable performance,
- efficient installation processes,
- and long-term project success.

With decades of experience in bonding technology, TWEHA® provides not only high-performance adhesive systems, but also the expertise and guidance required to ensure every project is completed quickly, correctly, and built to last.

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