

BONDING STRIPS AND SMALL TILES WITH TWEHA® BONDING SYSTEMS

For architects, façade engineers, contractors, and prefabrication specialists, the demand for lightweight, durable, and visually striking façade solutions continues to grow. With nearly 40 years of expertise in bonded façade technology, TWEHA® delivers proven bonding systems that combine technical reliability with complete architectural freedom.

Recognized worldwide as a leading specialist in bonded façade systems, TWEHA® has extensively tested and successfully applied its bonding technologies on a wide variety of substrates and façade constructions.

Pioneering Bonded Stone Strip Systems Since 2002

TWEHA® introduced bonded stone strip technology as early as 2002. Today, bonding stone strips onto backerboards has become a trusted and efficient façade solution for both new construction and renovation projects.

By using bonded stone strips, the cavity behind the façade remains fully available for ventilation and additional thermal insulation. This creates significant advantages in energy performance, construction speed, and overall system weight reduction.

The result is a façade solution that offers:

- Greater design flexibility
- Faster installation
- Reduced structural load
- Excellent durability
- Modern architectural possibilities

This makes bonded stone strip systems ideal for contemporary façades where aesthetics, sustainability, and efficiency must go hand in hand.

Tested on the Most Common Substrates

TWEHA® bonding systems have been thoroughly tested with numerous types and dimensions of stone strips in combination with commonly used façade substrates and support systems, including:

- Eter-Backer HD systems
- Rockpanel Natural
- Concrete substrates
- Various façade support materials
- Prefabricated perforated aluminum façade elements

Especially in modern prefabricated façade construction, bonded stone strips on perforated aluminum panels have become increasingly popular. These systems ensure effective rear ventilation while maintaining a lightweight and highly aesthetic façade appearance.

The conclusion from extensive testing is clear:

TWEHA® bonding systems are exceptionally suitable for bonding stone strips, small tiles, and other lightweight façade elements.

Fast, Clean and Efficient Installation

One of the major advantages of TWEHA® bonding systems is the simplicity of application.

The adhesive systems are designed for:

- Fast processing
- Clean installation
- Reliable adhesion
- Long-term durability

Every TWEHA® bonding system enables strong and sustainable bonding of stone strips and small façade components, whether applied on-site or in prefabricated façade production.

Instructions for Use

To achieve optimal results when bonding stone strips, several additional recommendations should be followed alongside the standard installation guidelines.

Natural Variations Create Authentic Beauty

Stone strips and facing bricks are natural products. Slight color differences within the same production batch are possible due to the manufacturing process.

For the best visual appearance:

- Use multiple packages simultaneously
- Mix stone strips during installation
- Create a natural and balanced color variation across the façade

This approach ensures a rich and aesthetically pleasing final result.

Step-by-Step Installation Guide

1. Install the Support Board Correctly

Mount the support or backerboard exactly according to the supplier's installation instructions to ensure optimal substrate performance.

2. Determine the Brickwork Pattern

Define the height and layout of the courses based on the desired brickwork pattern, such as:

- Stretcher bond
- Header bond
- Shiner pattern

Use the average dimensions of the supplied stone strips and work with a masonry cord to achieve a clean and professional façade finish.

3. Prepare and Apply Adhesive

Clean the backside of each stone strip thoroughly using a hard brush before applying adhesive.

When applying the adhesive:

- Hold the caulking gun perpendicular to the substrate
 - Always use the prescribed nozzle
 - Apply the adhesive evenly for maximum bonding performance
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4. Position the Stone Strip

Press the stone strip gently against the support board to allow positioning corrections if needed.

Once correctly positioned:

- Firmly press the entire surface for complete adhesive contact
- Install the strip within 10 minutes after adhesive application to prevent skin formation

This guarantees optimal adhesion and long-term durability.

5. Finish the Joints Professionally

Fill the joints between the stone strips using a high-quality modified grout according to the mortar supplier's recommendations.

For construction edges and expansion joints:

- Use a permanently flexible sealant
- Ensure proper movement accommodation and weather resistance

Ideal for Prefabrication

TWEHA® bonding systems are also perfectly suited for prefabricated façade production.

In prefabrication applications:

- Start from step 2
- Install the support board after prefabrication
- Complete final joint finishing during installation

This allows for rapid façade assembly on-site while maintaining outstanding quality control during production.

Build with Confidence

From lightweight renovation systems to innovative prefabricated façades, TWEHA® bonding systems provide the certainty professionals need and the flexibility architect's demand.

With decades of experience, extensive testing, and worldwide project references, TWEHA® continues to set the standard in bonded façade technology.

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