

BONDED BRICK SLIPS WITH TWEHA®

The Smart, Durable Façade Solution for Modern Architecture

Architects and façade professionals are increasingly looking for lightweight, durable, and aesthetically refined cladding systems. With the TWEHA® bonded brick slip system, you combine the timeless appearance of traditional masonry with the efficiency and flexibility of modern ventilated façade construction.

The TWEHA® system is specifically developed for high-performance façade applications using cement-based sheathing boards and premium adhesive technology. The result is a façade that is visually impressive, structurally reliable, and built to perform in demanding weather conditions.

Why Choose the TWEHA® Bonded Brick Slip System?

Lightweight Construction with Real Brick Appearance

TWEHA® bonded brick slips deliver the authentic look and texture of traditional brickwork while significantly reducing façade weight. This creates new possibilities for renovation, timber-frame construction, prefabrication, and high-rise applications.

Durable and Weather-Resistant

The system is designed for long-term exterior performance:

- Resistant to moisture and frost
- Suitable for ventilated façade systems
- Compatible with high-performance cement-based sheathing boards
- Engineered to accommodate façade movement and thermal expansion

Fast and Efficient Installation

Compared with traditional masonry, bonded brick slips offer:

- Faster installation times
- Reduced structural load
- Easier detailing around openings and corners
- Greater flexibility in modern façade design

High-Performance Cement-Based Backing Boards

For optimal performance, TWEHA® recommends the use of cement-based façade boards such as:

- Fermacell Powerpanel H2O
- Eterbacker HD
- Rockpanel Natural

The selected board thickness must always comply with the supplier's recommendations and the chosen brick slip dimensions and weight.

The backing board must:

- Resist moisture exposure
- Remain dimensionally stable
- Be frost-resistant, even when saturated
- Prevent mold, rot, or delamination

Mechanical fixing of the façade boards must always follow the board manufacturer's installation guidelines.

Engineered Substructure for Long-Term Stability

A successful bonded brick slip façade starts with a properly designed substructure.

Recommended Framework

The façade system should be installed on:

- A stable structural substrate
- A vertical timber or façade framework with proper anchoring
- Secondary vertical battens of minimum 30 × 50 mm

Typical spacing recommendations:

- Maximum 425 mm c/c for brick slips up to 220 mm length
- Maximum 315 mm c/c commonly applied for slips up to 22 mm thickness

This engineered support system ensures:

- Excellent load distribution
- Reduced façade movement
- Long-term adhesion performance

Ventilated Façade Design

The TWEHA® system is designed as a ventilated rainscreen façade.

Proper cavity ventilation is essential and should include:

- Ventilation openings at the base and top
- Ventilation within façade detailing
- Protection against rainwater ingress

Special attention should be given to:

- Roof edges
- Window frame connections
- Penetrations and façade interfaces

A well-designed cavity improves:

- Moisture management
- Thermal performance
- Overall façade durability

Professional Joint Treatment

Correct board joint treatment is essential for long-term façade integrity.

Waterproofed Joints

Board joints should be reinforced using:

- Membrane paste or latex emulsion
- Alkali-resistant reinforcement tape

After proper curing, brick slips may be installed directly over these treated joints.

Movement Joints

At movement joints and open board joints:

- Maintain an approximate 5 mm gap
- Do not install brick slips over the joint

- Finish with a permanently flexible sealant

This allows the façade system to safely absorb structural movement and thermal expansion.

TWEHA® 90nine Adhesive Technology

At the core of the system is the powerful TWEHA® 90nine adhesive, developed for reliable brick slip bonding under demanding façade conditions.

Installation Process

1. Determine course height based on average brick slip dimensions
2. Use a masonry line for perfect alignment
3. Clean brick slips with a stiff brush
4. Apply TWEHA® 90nine adhesive using the prescribed nozzle or spreader
5. Position the brick slip carefully
6. Firmly press across the full surface area

Due to controlled skin formation, slips should be installed within 10 minutes after adhesive application.

Natural Beauty with Authentic Brick Character

Brick slips are natural ceramic products and may show subtle color variations within the same production batch. By mixing units from multiple packages during installation, the façade achieves a rich and authentic masonry appearance.

The result:

- Genuine brick aesthetics
- Modern lightweight performance
- Exceptional architectural freedom

The Ideal Solution for Modern Façade Projects

The TWEHA® bonded brick slip system is ideal for:

- New-build residential projects
- High-rise façades
- Timber-frame construction
- Modular and prefabricated buildings
- Façade renovation projects
- Commercial architecture

Whether your project demands architectural elegance, technical reliability, or installation efficiency, TWEHA® delivers a complete façade solution designed for modern construction.

TWEHA® — Bonding Innovation to Architecture

With advanced adhesive technology, engineered façade systems, and authentic brick aesthetics, TWEHA® offers a future-proof bonded brick slip solution for architects, contractors, and façade specialists seeking performance without compromise.

TWEHA®, 2026