INTRODUCING TWEHA® BLACKEN: THE SMART SOLUTION FOR BLACKENED ALUMINUM SUBSTRUCTURES IN VENTILATED FAÇADES

The facade industry is innovative and challenging. The way in which we develop facade constructions is undergoing major changes. For years, we have made our contribution to innovations by coming up with smart solutions for our customers. TWEHA® now also plays a leading role internationally.
A good example is the development of TWEHA® Blacken. An application that offers our customers significant advantages in terms of production, logistics and cost reduction.

In modern ventilated façade systems, aesthetics is just as important as technical performance. Even when high-quality façade panels are perfectly installed, visible shiny aluminum profiles behind the open joints can negatively affect the overall appearance of the façade.
Especially when using untreated (“mill finish”) aluminum support profiles, the reflective metallic appearance inside the panel joints is often considered visually disturbing.
To achieve a black appearance in the joint between the cladding panels, it is no longer necessary to anodize the aluminum profile. Simply draw a black line with the sponge on the TWEHA® Blacken tube and the problem is solved. And that is for a fraction of the costs of anodizing.



TWEHA® Blacken
A specially developed black coating system designed specifically for aluminum substructures in bonded ventilated façade systems.

Why Blacken Aluminum Profiles?
In open-joint façade systems, the support construction behind the façade panels remains partially visible.
The use of:

- Black anodized aluminum profiles

is often considered the ideal visual solution. However, black anodized aluminum can significantly increase project costs.
As a more economical alternative, many companies attempt to paint standard mill finish aluminum black. Unfortunately, aluminum is known to be a Difficult Surface for Paint Adhesion
Even after proper cleaning, traditional paints often struggle to achieve durable adhesion on aluminum surfaces.
In addition, bonded façade systems introduce another important technical requirement:
The painted surface must also remain compatible with durable adhesive bonding.
This means the coating itself becomes a critical part of the complete façade bonding system.

Developed Specifically for Bonded Façade Systems

With TWEHA® Blacken, we developed a black coating specifically engineered to meet two essential demands:

- Durable adhesion to aluminum;
- Compatibility with TWEHA® adhesive systems.

This makes TWEHA® Blacken far more than standard black paint.
It is a technically optimized coating solution developed for professional ventilated façade applications.

Eliminate the Disturbing "Shiny Aluminum" Effect

TWEHA® Blacken allows installers to quickly create a clean black visual background behind façade joints.
The black coating can be applied:

- Over the joint width;
- Or wider where desired;
- Directly onto mill finish aluminum profiles.

The result: A sleek, uniform and visually calm façade appearance
without the disturbing reflections of untreated aluminum.

Fast Drying and Efficient Processing

Efficiency on-site is essential in façade construction.
That is why TWEHA® Blacken has been developed as a Fast-Drying System
Under normal conditions:

- The adhesive can already be partially applied to the coated surface after approximately 30 Minutes

This allows installation work to continue quickly without unnecessary delays.

Easy Application

TWEHA® Blacken is designed for practical and straightforward applications.
The product can be applied using:

- The supplied foam applicator;
- A brush;
- Or a roller.

For the best visual result, it is recommended to:

- Shake the bottle before use;
- Keep the tube closed until application;
- Apply preferably in one continuous stroke.

Because TWEHA® Blacken reacts with air humidity, opened packaging should not be reused.

Important Processing Information

For optimal bonding performance:

- The TWEHA® Blacken layer must be completely tack-free before adhesive application;
- Minimum drying time on aluminum is approximately 30 minutes;
- Proper surface preparation remains essential.

As with all professional bonding systems, correct processing ensures the highest quality and durability.

Efficient Coverage and Long Shelf Life

TWEHA® Blacken offers practical consumption rates for façade applications: Approximately 30 Linear Meters per Tube. 1 set (5 tubes 30 ml) is sufficient for 150 m1 (500 ft.).
The product can be stored for Up to 24 Months
when kept in unopened original packaging under dry conditions between:

- +5°C and +30°C
  (+41°F to +86°F)

The Perfect Combination of Appearance and Performance

Modern ventilated façades require solutions that combine:

- Technical reliability;
- Durable bonding;
- Efficient installation;
- High-end aesthetics.

With TWEHA® Blacken, façade professionals can now achieve:

- A clean black façade appearance;
- Durable aluminum adhesion;
- Compatibility with bonded façade systems;
- Fast and efficient processing.

Because in high-quality façade construction, even the details behind the panel make the difference.

TWEHA®, 2026