

## NO MOCK-UP, NO GOOD FAÇADE

In today's construction industry, advanced 3D models, digital simulations, and photorealistic renders create the impression that every detail is fully controlled before construction even begins. On screen, everything fits perfectly. However, the construction site often tells a different story.

Materials behave differently in daylight than they do in rendering. Connections that appear flawless digitally may prove difficult to execute on site. Small tolerances can suddenly become visible imperfections. And details that looked convincing in theory may reveal aesthetic or technical issues once exposed to weather conditions.

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### **That is exactly why a mock-up remains indispensable.**

Too often, project teams rely solely on small material samples of 10 × 10 cm to assess a façade system. While these samples may provide an indication of color or texture, they never reveal how a complete façade will perform or appear in practice.

A full-scale mock-up is not an optional extra. It is a critical stage in the façade development process.

Only a realistic test façade allows all parties involved to evaluate how materials interact with light, shadow, rain, reflections, and surrounding elements. It reveals how joints align, how details connect, and where potential risks may arise before they become expensive problems during execution.

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### **A properly executed mock-up provides valuable insight into:**

- Material behavior under real conditions
- Visual appearance and façade aesthetics
- Validation of detailing and installation methods
- Tolerances, stresses, and alignment issues
- Early identification of technical or aesthetic risks
- Better coordination between architects, contractors, installers, and suppliers

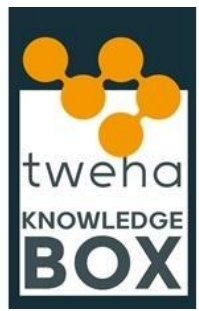
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### **Architectural evaluation**

Beyond architectural evaluation, a mock-up also delivers practical construction knowledge. It allows installers to test assembly methods, assess handling on site, and identify challenges before the actual façade installation begins. Questions such as how panels are positioned, how joints behave, or where streaking and contamination may occur can already be answered during this stage.

This leads to better-informed decisions, fewer discussions during construction, and a more efficient building process overall.

At TWEHA®, we believe that façade quality is not created in theory but proven in execution. That is why our bonded façade systems are developed and tested under real-world conditions — not for ideal laboratory scenarios, but for the realities of the construction site.



A well-prepared mock-up ultimately reduces failure costs, improves construction efficiency, and results in a façade that performs as intended — both aesthetically and technically, today and in the long term.

No assumptions. Just facts.

**Test early. Build better.**

TWEHA®, 2026