

WE HAVE BEEN INFORMED THAT BONDED FACADE PANELS SOMETIMES COME OFF AFTER A WHILE, AND ESPECIALLY IN THE CORNERS. IS THAT TRUE? AND HOW IS THAT POSSIBLE?

When a façade panel is bonded correctly and professionally with a TWEHA product, it never comes off. In the rare cases that an adhesive connection still comes loose over the years, it is caused by poorly execution. In those cases, it is not the adhesive product itself that is responsible, but caused by poor implementation, incorrect detailing or use of another, often unreliable, adhesive system.

Unfortunately, we find all too often that there are still (sub) contractors who bond façade panels without knowledge or nonchalance. With this they want to save time and money for themselves, but ultimately deliver inferior quality to the client.

Why is a well-considered choice of the adhesive system so important?

In addition to a durable bond, the elasticity of the adhesive joint is important. This means, on the one hand, that the adhesion to the façade panel and supporting structure never fails during extreme weather conditions and, on the other hand, can expand and shrink without any problems due to changing temperatures and humidity.

The right adhesive does not let go, never becomes brittle and no cracks occur. Not even after many years on the facade.

Why is correct detailing so important?

The composition of the façade construction has become much more complicated in recent decades due to the increased diversity of layers. The cladding plays the main role in this: it protects the inner layers of the structure against the outside environment and thus improves or guarantees the performance and durability of the components in the facade construction. It goes without saying that the detailing of this façade construction requires attention, both in the design and the implementation phase! Improperly designed or executed detailing influences the service life and performance of the facade construction.

Why is good workmanship so important?

Like every other installation method knowledge, accuracy and good workmanship is essential for a good result. In this respect it is also worth mentioning that it takes adequate information from the supplier to achieve a good result. TWEHA offers easy understandable manuals and instructions, download from our website when required.

Why is a reliable glue system so important?

There are (sub) contractors who take a few tubes of “MS” off the shelf at the hardware store and there are (sub) contractors who are serious about working with TWEHA. Because with the specific TWEHA bonding systems:

– more than 100 substrates have been investigated and tested for durable adhesion in exceptional circumstances;

- advice and support is given in the design process, and
- implementation guidance is current practice.

What about those loose corners?

This is often the result of a combination of wrong material choices and details. The conditions before and behind the façade panel (in the air cavity) differ so much that as a result of the resulting stress differences in the façade panel it will eventually warp permanently. This then manifests itself primarily at the corners of the façade panel and leads there to fatal peeling forces on the adhesive connection resulting in failure of one of the substrates.

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