

BONDING PANELS IN-SITU OF PREFAB?

An important condition is that the entire adhesive process is under control. In order to monitor this, we support the choice of product, calculations, testing, processing and training of the applicator before actual construction starts. This working method allows the construction process to be properly prepared and therefore enables early detection and resolution of problems in the actual implementation.

The application of adhesive requires training and experience. That is why we also provide training for this on site. In the case of large projects, we also check the application at the project if requested. Our advice is always: never start constructive bonding without experience or knowledge! That is why we do not only supply cartridges of adhesive, but we also provide support in product selection, calculations, testing, processing and training of the applicators.

For an attractive, strong and inconspicuous mutual connection, the facade panels are bonded to a substructure. From a logistical point of view, this will in most cases take place on site. This system was developed in the 1980's and has been used for millions of m² of wall panel bonding worldwide for decades now to the satisfaction of the users.

However, the complex logistics on the building site have shown a shift from in-situ to prefab in recent years resulting in the bonding of the façade elements carried out in a workshop under so-called conditioned conditions. For both in-situ and prefab applications, the surfaces to be bonded must be clean, dry and grease-free. And the processing instructions provide for this.

The distinction in circumstances between in-situ and prefab bonding can therefore only be found (in the case of in-situ application) in variable values of temperature and relative humidity. Continuously measuring and monitoring the outdoor climate by an humidity meter supports the warranty administration. The external temperature sensor communicates 24/7 with the data logger for the registration, storage and display of temperature, relative humidity and dew point. With the supplied software, the measurement moments are read into your PC or laptop and added to the warranty documents as an Excel file. If needed TWEHA can supply this system.

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