



Test report

Building project: _____
Adress: _____
Construction section: _____
Place of testing: _____ Date: _____
Test carried out by: _____ Signature: _____
Test observed by: _____ Signature: _____
Others present: _____

Existing masonry

Name of the brick: (if known) _____
Type of the brick: (e.g. solid brick, hollow brick, AAC) _____
Visual evaluation of the masonry: (e.g. uniformity) _____
Joints visible: yes no Joint width: _____ mm
Vertical joints filled: yes no Mortar strength class: _____
Thickness of render and insulation: _____ mm
Wall thickness: _____ mm
Dimension of the bricks: (length x width x height) _____ mm
Additional information in coordination with the planner in charge
Compressive strength: _____ N/mm²
Bulk density: _____ kg/dm³
Hole geometry: _____ Drawing on the rear; Number of drilled through webs

Anchor

Description: _____
(e.g. VMU plus with VMU-A 10 x 110 A4 in VM-SH 16 x 85)
Number of assessment: _____
(e.g. ETA-13/0909)
Reference number: _____
Threaded stud _____ Injection adhesive _____
Batch number: _____
Threaded stud _____ Injection adhesive _____

Drill hole

Cutting diameter of drill bit: _____ mm
Rotary drilling: yes no Depth of drill hole: _____ mm
Drilling dust wet: yes no Color of the drilling dust: _____

Installation

acc. to assessment: yes no (if different, exact description on the rear)
Temperature: _____
in the base material adhesive air
Setting depth: _____ mm
Setting time: _____ Test time: _____
Installation torque: _____ Nm

Testing device

Used testing device: _____ Device number: _____
Calibration date: _____

Pull-out test acc. Section 3.2 [1] **(minimum 5 to 15 tests)**

Pull-out until failure: the load shall be increased slowly and constantly so that the expected ultimate load is achieved after not less than 1 minute. The ultimate load shall be recorded.

Acceptance test part 1 acc. Section 3.4 [1] **(minimum 1 to 3 tests)**

At least one test shall be performed at the job site as a pull-out test to failure or as a proof-load test at any load level.

If a proof-load test fails, this test shall be assessed as a pull-out test.

This failure load/proof load is the initial value $N_{u,1}$ (for one test) or $N_{u,m}$ (for at least 3 tests) for the evaluation of the acceptance load N_{pA} according to Section 3.4 in [1]

Proof-load test acc. to Section 3.3 [1] / **Acceptance test part 2** acc. to Section 3.4 [1] **(minimum 15 tests)**

The load shall be increased so that the proof load is achieved in not less than 1 minute and is kept for at least 1 minute. If the load drops off slightly due to dirt (e.g. grain of sand) under the support, it is possible to readjust the load in order to apply the load over 1 minute.



If no visible displacement and no critical load drop occurs at the injection anchor in all tests with the proof-load N_{pP} or the acceptance load N_{pA} being applied for at least 1 minute, the characteristic resistance may be determined by the planner in accordance with [1].



If the residual fall below 90% of the test load, it is permitted once only to reset the load level to the start value N_{pP} or N_{pA} and maintain this for at least 10 minutes.



If during this time no visible displacement occurs and the residual load does not fall below 95% of the test load, the characteristic resistance can be determined by the planner in accordance with [1].



If during one or more tests visible displacement occurs or the load drop criteria mentioned above are not met, the proof-load test at load level N_{pP} or N_{pA} shall be assessed as failed.

Either pull-out tests in accordance with Section 3.2 in [1] shall be performed or new proof-load tests or acceptance tests shall be performed with a lower selected load.

The planner shall be consulted.

Note on the use of the tested anchors

Only anchors which have been loaded with the acceptance load N_{pA} in an acceptance test (part 2) may be used for fixing, if the conditions listed below (load drop-off, displacement) are observed.

In all other tests the tested anchors may not be used for fixings since a pre-damage of the masonry unit cannot be excluded at this loading.