BUILDING COMMON GROUND

MAX FRANK®

Test report

Zemseal® sub-structure waterproofing system

Pile head sealing with epoxy resin mortar

01.03.2021 | english

tested by: MAX FRANK Test laboratory,Leiblfing

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Test Report

Pile head sealing with epoxy resin mortar

1. **Test object**
   Testing the sealing and compressive strength of Zemseal® epoxy resin mortar ZSEPM

2. **Execution**
   a) Mix the 3 components sand/resin/hardener in the outer container by stirring carefully until a smooth and even consistency is obtained.

   b) Applying the epoxy mortar to a pile head with overstand using a spatula.

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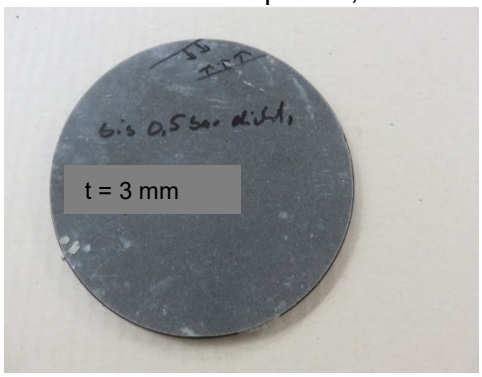
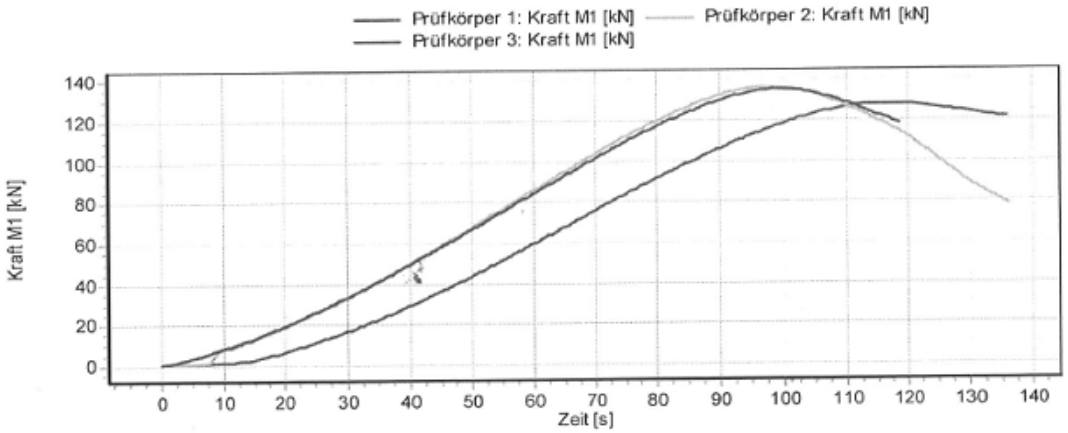
c) Manufacture of test cubes 50x50x50 mm for compressive strength testing.

d) Manufacture of test panels, thickness approx. 3 mm, for testing of watertightness.



3. Tests

a. Compressive strength test on the test cubes 50x50x50 mm. Friction load > 125 kN



b. Watertightness test: The 3 mm resin mortar discs were tested for 72 hours in a slotted pressure tester at 2 bar pressure without pressure drop.

4. Summary

Due to its consistency and flow behaviour, Zemseal® epoxy resin mortar is very well suited for sealing transitions between the Zemseal® sub structure waterproofing system and penetrating components (e.g. pile heads).

It can also be used for horizontal sealing of bored piles/bored pile heads.

Leiblfing, 01.03.2021

Dept. Sealing Technology/Testing Laboratory