

Test report

Zemseal[®] sub-structure waterproofing system

Tracking proof in case of damage after cleaning according to
ETA-19/0607 for Zemseal[®] 05 / 08 / 12

01.03.2021 | english

tested by: MAX FRANK Test laboratory,Leibfing

Test Report

Zemseal® - Tracking proof in case of damage after cleaning according to ETA-19/0607 for Zemseal® 05 / 08 / 12

The point "tracking proofness" in case of damage after cleaning according to ETA-19/0607 / page 20 (Annex 4) was carried out according to the following test criteria:

Contamination:

- a. Clay-sand mixture was rubbed wet into the Zemseal® composite layer and dried for 7 days.
- b. Zemseal® was exposed to site conditions for 12 weeks on the composite layer side. Dust and dirt was able to enter into the Zemseal® membrane by daily walking over the Zemseal® on a daily basis during the above-mentioned period.
- c. Site concrete was applied on top of the Zemseal® composite layer and cured for 3 days.

Cleaning with high pressure cleaner:

- a. Clay-sand mixture were successfully cleaned with a wide jet nozzle, pressure 70 bar and nozzle distance of 10 cm to 20 cm.
- b. Ingressed construction site dirt was successfully cleaned with a wide jet nozzle or rotating nozzle, pressure 140 bar to 190 bar and nozzle spacing of 10 cm to 20 cm.
- c. Hardened site concrete was cleaned without residues using a rotating nozzle (milling nozzle), pressure 170 bar and nozzle spacing of 10 cm to 20 cm.

The described types of soiling and cleaning do not lead to any damage of the composite layer, so that the backflow safety with 5 bar water pressure and a period of 7 days was unrestricted.

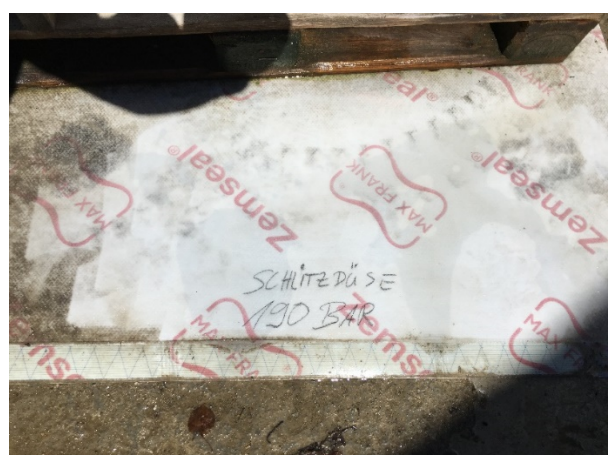
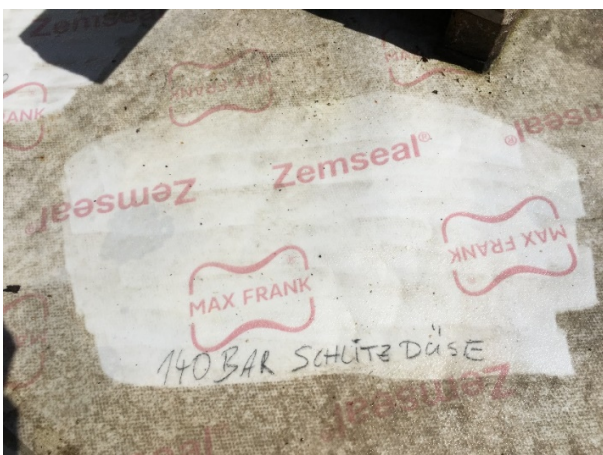
Leiblfing, 01.03.2021

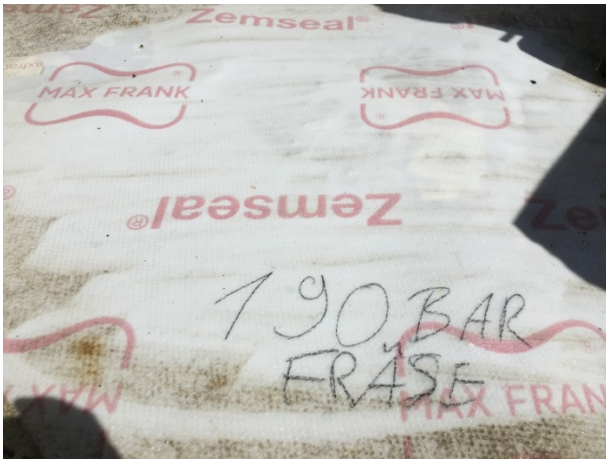
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Concrete adhesion:



Construction site dirt that has been walked in:





Tracking tests after cleaning - 5 bar 7 days:

