

## Assessment Report

- Translation -

Document number: (1200/953/17g) – Pan dated 22/01/2018

Client: SCHOMBURG GmbH & Co. KG  
Aquafinstr. 2–8  
32760 Detmold, Germany

Order date: 16/08/2017

Subject of the order: Water impermeability of the liquid-applied waterproofing material **AQUAFIN-2K/M-PLUS** after storage in water aggressive to concrete

Test material received: 18/09/2017

Sampling: by MPA staff

Assessment period: September to December 2017

This Assessment Report consists of 2 pages.



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## 1 Procedure

SCHOMBURG GmbH & Co. KG commissioned the Braunschweig Civil Engineering Materials Testing Institute (MPA) to test the water impermeability of the liquid-applied waterproofing material **AQUAFIN-2K/M-PLUS** after storage in water highly aggressive to concrete in accordance with DIN 4030, Part 2.

The waterproofing material **AQUAFIN-2K/M-PLUS** is a 2-component plastic/mortar combination that is produced using the mixing ratio: Powder : Added liquid = 2.5 : 1 PBW.

## 2 Test results

The water impermeability test was carried out with reference to DIN 1048-5, on three coated, water-permeable concrete test specimens with the dimensions 20 x 20 x 12 (cm<sup>3</sup>). The application quantity of the coating was approx. 3,500 g/m<sup>2</sup>. Until testing, the coated test specimens were stored for 28 days in normal atmosphere (DIN 50014-23/50-2) and then for 28 days in water highly aggressive to concrete in accordance with DIN 4030, Part 2, Annex B.

### Test results:

After 28 days of stress from water pressure at 1.5 bar, no water penetration could be detected at the fracture surfaces of the broken concrete specimens. The average dry coating thickness was 2.0 mm.

The waterproofing material **AQUAFIN-2K/M-PLUS** was impermeable to water highly aggressive to concrete under the stated test conditions.

This document is the translated version of Assessment Report no. (1200/953/17g) – Pan dated 22/01/2018. The legally binding text is the aforementioned German Assessment Report.

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