



Roxeler Baustoffprüfstelle

Baustoffprüfung
Baugrundgutachten
Bauwerkserhaltung

Roxeler Ingenieurgesellschaft mbH
Otto-Hahn-Straße 7 · 48161 Münster

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Dielinger Straße 47
32351 Stemwede

Bauaufsichtlich anerkannte
Prüf-, Überwachungs- und Zertifizierungsstelle (PÜZ)

Notifizierte Zertifizierungsstelle gemäß
Verordnung (EU) Nr. 305/2011

Privatrechtlich anerkannte Prüfstelle nach RAP Stra
für bituminöse und mineralische Baustoffe

Durch die DAkkS nach DIN EN ISO/IEC 17025
akkreditierte Prüfstelle.

Die Akkreditierung gilt für die in der
Urkunde aufgeführten Prüfverfahren
am Standort Münster.



Our reference

Date

Moe

02.03.2017

Dear ladies and gentlemen,

in the following you are receiving the supplementing statement in relation to the tests detailed in test report no. 040068-09 (CDF) dated 10.09.2009.

The object of the test was to determine the freeze-thaw and de-icing agent resistance of test objects made of concrete and "Tendonol" in accordance with data sheet *Frost Resistance Tests for Concrete*, 2004 edition, published by the Bundesanstalt für Wasserbau (BAW).

The purpose of the test was to demonstrate the freeze-thaw and de-icing agent resistance of the "Tendonol" fire prevention sealing compound and the "Tendonol" joint in concrete. The level of adhesion of the "Tendonol" on the concrete along the edges, as well as the visible properties of the "Tendonol" before and after the test were agreed upon as deviating assessment criteria.

In accordance with the BAW data sheet: *Frost Resistance Tests for Concrete*, 2004 and 2012 edition, the following applies:

The acceptance criteria set down for the assessment of the freeze-thaw resistance and the freeze-thaw and de-icing agent resistance were decided upon on the basis of the tests carried out on concretes and sprayed concretes typically used in hydraulic engineering and apply for the assessment of especially manufactured test objects within the framework of the suitability and quality test. Regarded as typical for hydraulic engineering are usually those concretes and sprayed concretes that meet the requirements of the additional technical contract conditions – hydraulic engineering (ZTV-W), service areas 215 and 219.

The ZTV-W LB 215 regulations (status 2004 and 2012) in this case target a usage duration for the structure that is usually 100 years.

The freeze test carried on concrete in accordance with the BAW data sheet as a result provides a statement on the freeze resistance properties of the concrete over a usage duration of 100 years when taking the respective acceptance criteria into consideration.

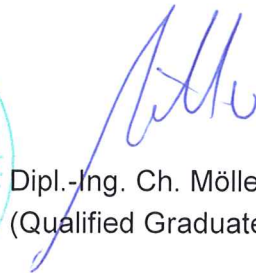
Although the test carried out in order to determine the freeze-thaw and de-icing agent resistance of the "Tendonol" fire prevention sealing compound and the "Tendonol" joint in concrete was done based on the test provision contained in the BAW data sheet (analogue test set-up), the assessment however was carried out using deviating assessment criteria.

Yours sincerely,

Roxeler Ingenieurgesellschaft mbH, Baustoffprüfstelle



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