

# Test Report

**Date:** 26.06.2018

**Test-No.:** 027/18-1

**Subject:** Testing of sulfate resistance of MasterEmaco S 488

**Client:** BASF Stavebni hmoty Ceská republika s.r.o  
K Majovu 1244  
537 01 Chrudim, Czech Republic

**Request of:** 22.01.2018

**Testing centre:** PCI Augsburg GmbH  
Measurement Technology  
Piccardstraße 11  
86179 Augsburg  
Germany

**Sample receipt:** By client

The test report includes:

2 pages and 1 annex

English translation.

In case of doubts, the German language document shall prevail.

### 1. Subject of testing

Testing of sulfate resistance in accordance with the internal PCI – procedure PT/02051.01 based on “Wittekindt – test method”.

### 2. Test materials

Product	Batch-No.
MasterEmaco S 488	Sample without batch-No.

### 3. Test procedure


The sample preparation has been performed, if not described otherwise, according to PT/02051.01 and under consideration of the technical data sheet.

Sample storage in Na<sub>2</sub>SO<sub>4</sub> – solution: 112 d instead of 56 d as described in the original Wittekindt – test method.

### 4. Summary of the test result

Characteristic	Standard	Requirement	Result
Sulfate resistance	PCI – procedure PT/02051.01	$\Delta L = L_{(\text{Na}_2\text{SO}_4)} (14\text{d H}_2\text{O} + 112\text{d Na}_2\text{SO}_4) - L_{(\text{H}_2\text{O})} (126\text{d H}_2\text{O}) \leq 0,5 \text{ mm/m}$	-0,17 mm/m

Based on this result MasterEmaco S 488 can be considered as sulfate resistant.

  
Volker Schwarz  
Head of Measurement Technology

  
Martin Karl  
Official in charge

**Results:**

MasterEmaco S 488; sulfate resistance

