### Accepted Manuscript

Sulfate resistance of cement-reduced eco-friendly concretes

Florian Mittermayr, Moien Rezvani, Andre Baldermann, Stefan Hainer, Peter Breitenbücher, Joachim Juhart, Carl-Alexander Graubner, Tilo Proske

PII:	S0958-9465(14)00182-6
DOI:	http://dx.doi.org/10.1016/j.cemconcomp.2014.09.020
Reference:	CECO 2421
To appear in:	Cement & Concrete Composites
Received Date:	6 March 2014
Revised Date:	24 September 2014
Accepted Date:	28 September 2014



Please cite this article as: Mittermayr, F., Rezvani, M., Baldermann, A., Hainer, S., Breitenbücher, P., Juhart, J., Graubner, C-A., Proske, T., Sulfate resistance of cement-reduced eco-friendly concretes, *Cement & Concrete Composites* (2014), doi: http://dx.doi.org/10.1016/j.cemconcomp.2014.09.020

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## **ACCEPTED MANUSCRIPT**

# Sulfate resistance of cement-reduced eco-friendly concretes

<u>Florian Mittermayr<sup>1</sup>\*°</u>, <u>Moien Rezvani<sup>2°</sup></u>, Andre Baldermann<sup>3</sup>, Stefan Hainer<sup>2</sup>, Peter Breitenbücher<sup>2</sup>, Joachim Juhart<sup>1</sup>, Carl-Alexander Graubner<sup>2</sup>, Tilo Proske<sup>2</sup>

<sup>1</sup>Graz University of Technology, Institute of Technology and Testing of Building Materials, Inffeldgasse 24, 8010 GRAZ, Austria

<sup>2</sup>Technische Universität Darmstadt, Fachgebiet Massivbau, Franziska-Braun-Straße 3, 64287 DARMSTADT, Germany

<sup>3</sup>Graz University of Technology, Institute of Applied Geosciences, Rechbauerstraße 12, 8010 GRAZ, Austria

Keywords: durability; degradation; sulfate attack; thaumasite; supplementary cementitious material; superplasticizer

#### °first author

\*corresponding author Florian Mittermayr Institute of Technology and Testing of Building Materials Graz University of Technology Inffeldgasse 24 A-8010 Graz Austria Tel.:+43 316 873 7159 Fax.:+43 316 873 7650 Email: f.mittermayr@tugraz.at Download English Version:

# https://daneshyari.com/en/article/7884372

Download Persian Version:

https://daneshyari.com/article/7884372

Daneshyari.com