

Erratum to "Water demand of amorphous nano silica and its impact on the workability of cement paste" [Cement and Concrete Research 42 (2012) 344–357]

Citation for published version (APA):

Quercia, G., Hüsken, G., & Brouwers, H. J. H. (2013). Erratum to "Water demand of amorphous nano silica and its impact on the workability of cement paste" [Cement and Concrete Research 42 (2012) 344–357]. *Cement and Concrete Research*, 46, 73–74. <https://doi.org/10.1016/j.cemconres.2012.12.002>

DOI:

[10.1016/j.cemconres.2012.12.002](https://doi.org/10.1016/j.cemconres.2012.12.002)

Document status and date:

Published: 01/01/2013

Document Version:

Accepted manuscript including changes made at the peer-review stage

Please check the document version of this publication:

- A submitted manuscript is the version of the article upon submission and before peer-review. There can be important differences between the submitted version and the official published version of record. People interested in the research are advised to contact the author for the final version of the publication, or visit the DOI to the publisher's website.
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Erratum

Erratum to “Water demand of amorphous nano silica and its impact on the workability of cement paste” [Cem. Concr. Res. 42 (2012) 344–357]

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In Cement and Concrete Research 42 (2012) 344–357, Water demand of amorphous nano silica and its impact on the workability of cement paste, by G. Quercia, G. Hüsken, and H.J.H. Brouwers, units in the x-axis dimension in Figs. 3, 4 and 10 should be in micrometer (μm). The original figures should therefore be replaced by:

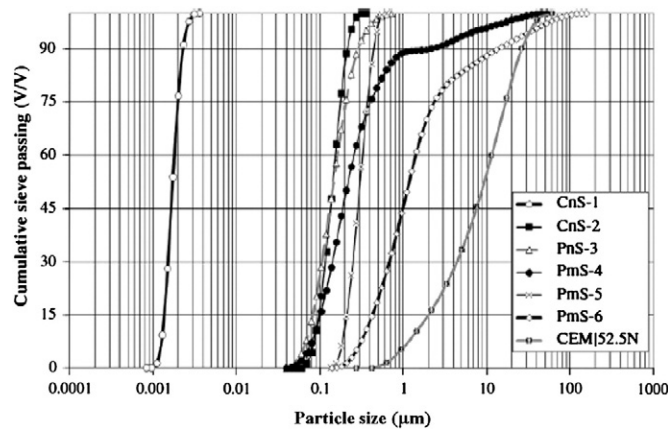


Fig. 3. PSD of the collected nano silica samples and the employed cement (CEM I 52.5 N).

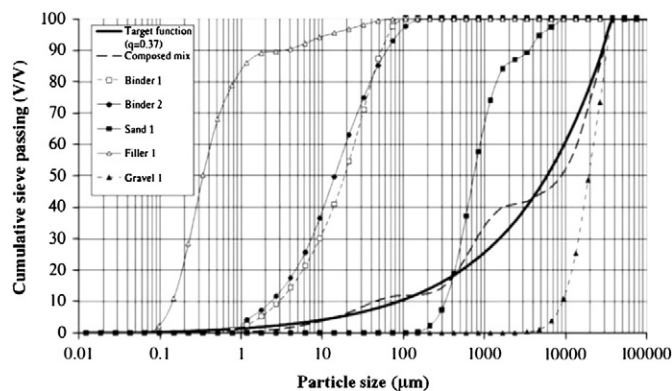


Fig. 4. Example of target line and composed mix derived from the optimization algorithm for cement paste.

DOI of original article: <http://dx.doi.org/10.1016/j.cemconres.2011.10.008>.

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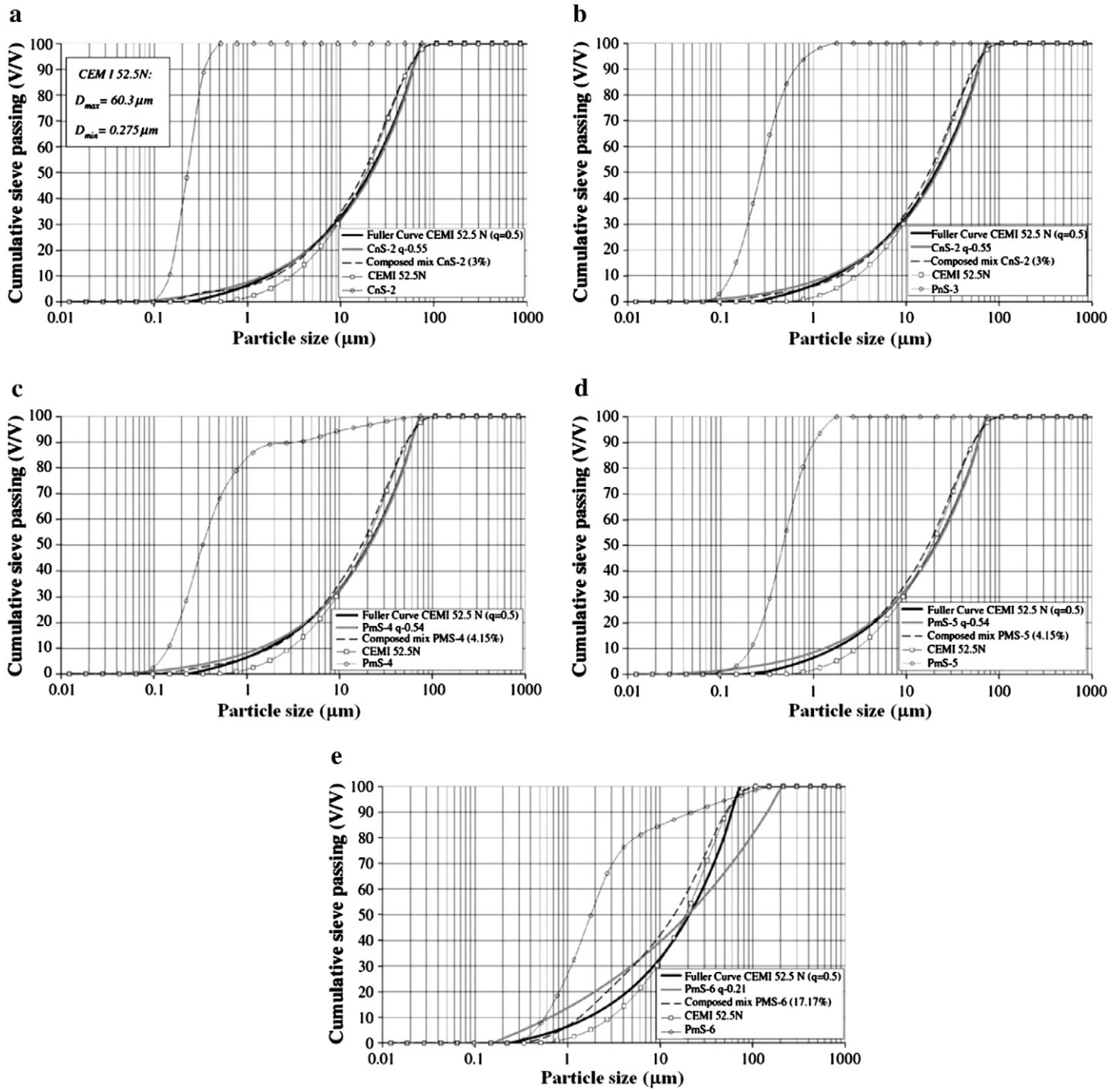


Fig. 10. (a) Target line and composed mix using the optimization algorithm for cement paste with CnS-2 (3% bwoc), and considering the best distribution modulus presented in Table 5 ($q = 0.55$, $D_{\min} = 0.079 \mu\text{m}$, and $D_{\max} = 60.3 \mu\text{m}$). (b) Target line and composed mix computed using the optimization algorithm for cement paste with PnS-3 (3.5% bwoc), and considering the best distribution modulus presented in Table 5 ($q = 0.55$, $D_{\min} = 0.079 \mu\text{m}$, and $D_{\max} = 60.3 \mu\text{m}$). (c) Target line and composed mix computed using the optimization algorithm for cement paste with PmS-4 (4.15% bwoc), and considering the best distribution modulus presented in Table 5 ($q = 0.54$, $D_{\min} = 0.053 \mu\text{m}$, and $D_{\max} = 60.3 \mu\text{m}$). (d) Target line and composed mix computed using the optimization algorithm for cement paste with PmS-5 (3.88% bwoc), and considering the best distribution modulus presented in Table 5 ($q = 0.54$, $D_{\min} = 0.035 \mu\text{m}$, and $D_{\max} = 60.3 \mu\text{m}$). (e) Target line and composed mix computed using the optimization algorithm for cement paste with PmS-6 (17.17% bwoc), and considering the best distribution modulus presented in Table 5 ($q = 0.21$, $D_{\min} = 0.182 \mu\text{m}$, and $D_{\max} = 180.0 \mu\text{m}$).

The typological errors have no further impact on the content of the paper.

Acknowledgment

The authors wish to thank Dr. Ismael Flores Vivian from the Advanced Cement-Based Materials Laboratory, Department of Civil Engineering and Mechanics, University of Wisconsin–Milwaukee, U.S.A. for retrieving the error in Fig. 3.