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Discussion

Reply to the discussion by M. Mouret and M. Cyr of the paper “On the effect of measuring procedure on the apparent rheological properties of self-compacting concrete”[☆]

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We are grateful for this discussion, which includes some valuable observations.

The purpose of our paper was to stress the possible effect of measuring procedure on rheological data obtained on cementitious materials; which was illustrated by measurements on a typical Danish self-compacting concrete (SCC). For this specific concrete, lack of steady state (constancy of torque) during measuring would cause the erroneous con-

clusion of the Herschel–Bulkley model being superior to the Bingham model in describing the behaviour. For the physical interpretation of rheological data we prefer the more simplistic Bingham model.

In answer to the authors' question, the data presented by the authors illustrate that the Bingham equation (or model) in some cases is too simplified a view of the rheological behaviour of SCC.

[☆] Cem. Concr. Res. 32 (2002) 1791–1795.

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