

The Cement Manufacturers' View of Alkali-Silica Reaction

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(Summary by AALBORG PORTLAND)

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**SUMMARY**

J. Svendsen explained the financial aspects and the alkali-content of cement under different methods of production. In the case of wet process, 65% of the  $K_2O$  - content of the raw materials is present in the finished clinker. In the case of dry process, the percentage depends on the number of heating stages and on the size of a possible by-pass. In 4-stage heating, 95%  $K_2O$  is found in the clinker. The energy consumption for this is about 60% of that for the wet process. A 15% by-pass, which can reduce the  $K_2O$  - content by about 20% would cost 10% more in initial expenditure. Finally, J. Svendsen mentioned the new precalcinating process.