The Nordic mini-seminar "Form Filling Ability of Self-Compacting Concrete" took place on 3-4 November 2003 at the Danish Technological Institute in Taastrup, Denmark. The mini-seminar gathered 12 participants from Finland, Sweden, Norway and Denmark. The objective was to present and discuss recent developments of Self-Compacting Concrete in the Nordic countries. In general, the seminar included results and observations on the effect of fresh concrete behaviour, casting technique, and organisation on site on the filling ability, passing ability, and surface quality. The seminar had participants from the industry, working with SCC at full-scale, as well as participants working with SCC at a research level. The seminar included presentations from each participant, based on short papers, and discussions. This paper summarises the outcome of the seminar.