



Abstract

The abbreviation HVFAC is therefore High Volume Fly Ash Concrete - concrete with a high content of fly ash was probably used as the first by prof. Malhotra in the late 1980s in the USA. Concrete marked as HVFAC is characterized by a relatively low water coefficient and usually at least 50% replacement of cement with fly ash classified according to ASTM in class F. In these concretes, thanks to the use of superplasticizers, the workability can be settled by cone at 150-200 mm. In situations where high compressive strengths and higher processability are not required, the use of consistency improvers can be reduced to some extent.