

DIN CEN/TR 16349:2012-11 (E)

Framework for a specification on the avoidance of a damaging Alkali-Silica Reaction (ASR) in concrete; English version of CEN/TR 16349:2012

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Alkali-Silica Reaction (ASR)	5
3	Elements of specifications	5
4	Characterisation of environment	5
5	Precautionary measures appropriate to concrete	6
5.1	General remarks	6
5.2	Use of cement with a low effective alkali content	7
5.3	Use of slag, fly ash, silica fume or other pozzolana (in cement or as an addition)	7
5.4	Limiting the effective alkali content of the concrete	7
5.5	Verification of the suitability of a concrete mix in a performance test	8
5.6	Use of a non-reactive aggregate combination	8
6	Summary	8
Bibliography		9