

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 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