

DIN EN 14227-14:2006-08 (E)

Hydraulically bound mixtures - Specifications - Part 14: Soil treated by fly ash

Contents		Page
Foreword		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	Symbols and abbreviated terms	6
5	Constituents	7
5.1	Siliceous or calcareous fly ash	7
5.2	Soil	7
5.3	Water	7
5.4	Other constituents	7
6	Mixture	8
6.1	General	8
6.2	Proportioning and dry density	8
7	Requirements for the fresh mixture	8
7.1	Water content	8
7.2	Degree of pulverization	8
7.3	Immediate bearing index	9
7.4	Moisture condition value	9
8	Laboratory mechanical performance classification	9
8.1	General	9
8.2	California bearing ratio	10
8.3	Classification by compressive strength	10
8.4	Classification by Rt, E	11
8.4.1	General	11
8.4.2	Method by direct tensile testing	11
8.4.3	Method by indirect tensile testing	11
8.4.4	Method by indirect tensile and compression testing	12
9	Resistance to water and other requirements for the mixture	12
9.1	Resistance to water	12
9.1.1	General	12
9.1.2	Strength after immersion in water	12
9.1.3	Linear swelling after soaking in water	13
9.1.4	Volumetric swelling after immersion in water	13
9.2	Strength at trafficking	13
9.3	Resistance to frost	13
10	Production control	13
11	Designation and description	14
12	Labelling	14

Annex A (informativ) Examples of 'age of classification' and curing regimes for Rc, Rt and E testing of treated soils including resistance to water testing by full immersion in water ...	16
Annex B (informative) Production control for hydraulically treated mixtures	17
B.1 General	17
B.2 Quality Manual	17
B.3 Organization	17
B.3.1 Responsibility and authority	17
B.3.2 Management representative	17
B.3.3 Internal audits	17
B.3.4 Management review	18
B.3.5 Sub-contract services	18
B.3.6 Records	18
B.3.7 Training	18
B.4 Control procedures	18
B.4.1 Production management	18
B.4.2 Composition of the mixture	19
B.4.3 Constituents	19
B.4.4 Process control	19
B.4.5 Inspection, calibration and control of process equipment	19
B.4.6 Handling and delivery	20
B.5 Inspection and testing of constituents and mixtures during production	20
B.5.1 General	20
B.5.2 Characteristics that require control during production	20
B.5.3 Frequency of sampling the mixture	21
B.6 Inspection and testing equipment	21
B.6.1 General	21
B.6.2 Measuring and testing equipment	21
B.6.3 Measuring and testing equipment in the process	21
B.6.4 Measuring and testing equipment in laboratory	21
B.7 Non-conformity	22
B.7.1 General	22
B.7.2 Non-conformity of constituents	22
B.7.3 Non-conformity of the mixture	22
Bibliography	23