

DIN EN 12620:2008-07 (E)

Aggregates for concrete (includes Amendment A1:2008)

Contents		Page
Foreword		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	Geometrical requirements	8
4.1	General	8
4.2	Aggregate sizes	8
4.3	Grading	9
4.4	Shape of coarse aggregate	13
4.5	Shell content of coarse aggregate	14
4.6	Fines content	14
4.7	Fines quality	14
5	Physical requirements	15
5.1	General	15
5.2	Resistance to fragmentation of coarse aggregate	15
5.3	Resistance to wear of coarse aggregate	16
5.4	Resistance to polishing and abrasion of coarse aggregate to be used for surface courses	16
5.5	Particle density and water absorption	17
5.6	Bulk density	17
5.7	Durability	18
5.8	Classification of the constituents of coarse recycled aggregates	19
6	Chemical requirements	20
6.1	General	20
6.2	Chlorides	20
6.3	Sulfur containing compounds	21
6.4	Other constituents	22
6.5	Carbonate content of fine aggregates for concrete pavement surface courses	23
7	Evaluation of conformity	23
7.1	General	23
7.2	Initial type tests	23
7.3	Factory production control	23
8	Designation	23
8.1	Designation and description	23
8.2	Additional information for the description of an aggregate	24
9	Marking and labelling	24
Annex A (informative)	Illustration of grading requirements for most commonly used sizes for graded coarse aggregates	25
Annex B (informative)	Guidance on the description of coarseness/fineness of fine aggregates	27

Annex C (normative) Reduced grading tolerances on producer's declared typical grading for fine aggregate	28
Annex D (normative) Assessment of fines	29
Annex E (informative) Guidance on the use of aggregates in concrete	30
Annex F (informative) Notes for guidance on the freezing and thawing resistance of aggregates	31
Annex G (informative) Guidance on the effects of some chemical constituents of aggregates on the durability of concrete in which they are incorporated	33
Annex H (normative) Factory production control	36
Annex ZA (informative) Clauses of this European Standard addressing essential requirements or other provisions of EU Directives	44
Bibliography	56