

## Standards for concrete ruling in Europe

EN Standards	title	
206-1	Concrete – Part 1 – specifications, performance, production and conformity	
12350-1	testing fresh concrete	sampling
12350-2		slump test
12350-3		Vebé test
12350-4		degree of compactability
12350-5		flow table test
12350-6		density
12350-7		air content – pressure methods
12390-1	testing hardened concrete	shape, dimensions and other requirements for specimens and moulds
12390-2		making and curing specimens for strength tests
12390-3		Compressive strength of test specimens
12390-4		compressive strength – specifications for testing machines
12390-5		flexural strength of test specimens
12390-6		tensile splitting strength of test specimens
12390-7		density of hardened concrete
12390-8		depth of penetration of water under pressure
12504-1	testing concrete in structures	cored specimens – taking, examining and testing in compression
12504-2		non destructive testing – determination of rebound number
12504-3		determination of pull-out force
12504-4		determination of ultrasonic pulse velocity
CR 13902	test method for determining the water/cement ratio of fresh concrete	

## Standards for aggregates ruling in Europe

EN Standards	title	
932-1	tests for general properties of aggregates	method for sampling
932-2		methods for reducing laboratory samples
932-3		procedure and terminology for simplified petrographic description
932-5		common equipment and calibration
932-6		definitions of repeatability and reproducibility
933-1	tests for geometrical properties of aggregates	determination of particle size distribution – sieving method
933-2		determination of particle size distribution – test sieves, nominal size of aperture
933-3		determination of particle shape – flakiness index
933-4		determination of particle shape – shape index
933-5		determination of percentage of crushed and broken surfaces in coarse aggregate particles
933-6		assessment of surface characteristics – flow coefficient of aggregates
933-7		determination of shell content – percentage of shells in coarse aggregates
933-8		assessment of fines – sand equivalent test
933-9		assessment of fines – methylene blue test
933-10		assessment of fines – grading of fillers (air jet sieving)
1097-1		determination of the resistance to wear (micro-Deval)
1097-2		methods for the determination of resistance to fragmentation
1097-3		determination of loose bulk density and voids
1097-4		determination of the voids of dry compacted filler

1097-5	tests for mechanical and physical properties of aggregates	determination of the water content by drying in a ventilated oven
1097-6		determination of particle density and water absorption
1097-7		determination of the particle density of filler – pyknometer method
1097-8		determination of the polished stone value
1097-9		determination of the resistance to wear by abrasion from studded tyres – nordic test
1097-10		determination of water suction height
1367-1	tests for thermal and weathering properties of aggregates	determination of resistance to freezing and thawing
1367-2		magnesium sulfate test
1367-3		boiling test for “sonnenbrand basalt”
1367-4		determination of drying shrinkage
1367-5		determination of resistance to thermal shock
1744-1	tests for chemical properties of aggregates	chemical analysis
1744-3		preparation of eluates by leaching of aggregates
1744-4		determination of water susceptibility of fillers for bituminous mixtures
12620	aggregates for concrete	
13055-1	lightweight aggregates	lightweight aggregates for concrete, mortar and grout
13055-2		lightweight aggregates for bituminous mixtures and surface treatments and for unbound and bound applications
13139	aggregates for mortar	