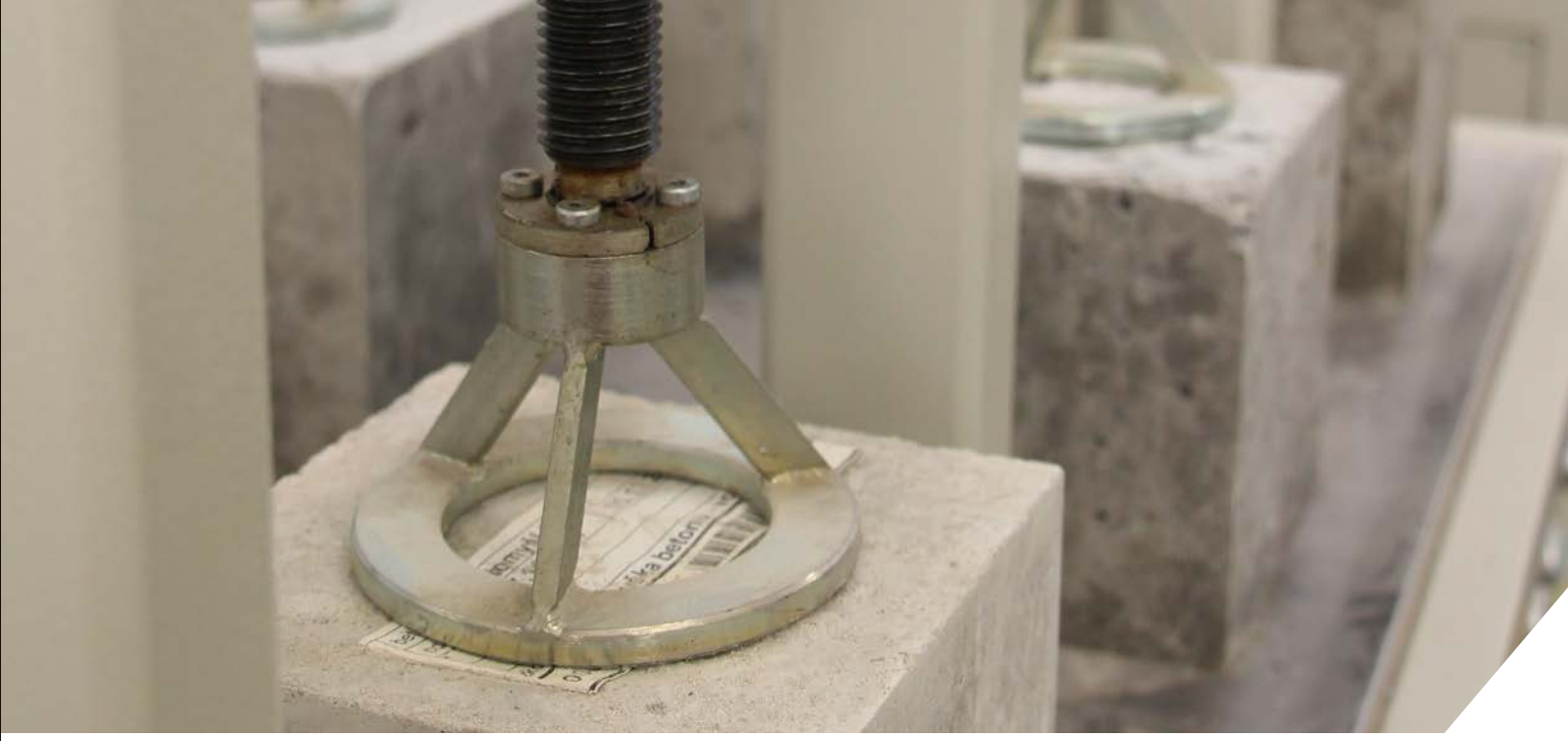
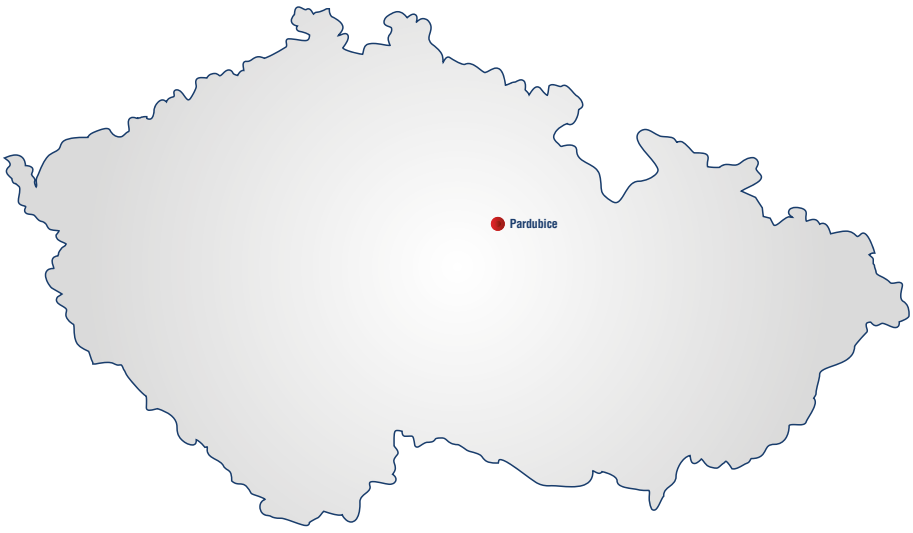


PRICE LIST LABORATORY WORK, TESTING, MEASUREMENT AND SERVICES

Pardubice Accredited Testing Laboratory



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Effective: March 3rd 2021

Rates for testing are contracted, tests are run at CEMEX's own laboratory and reports are prepared exclusive of VAT and transport, and will be charged on the basis of a written order placed for testing.

Price list laboratory work, testing, measurement and services

Item	To be tested	Procedure	Sample	Price / CZK
1.	**FRESH CONCRETE**			
1.1.	Concrete mixture composition		per design	790
1.2.	Laboratory preparing and mixing		1 mix up to 35 l	1,220
1.3.*	Receiving and sampling in situ	ČSN EN 12350-1	per sample	305
1.4.*	Determining bulk density	ČSN EN 12350-6	per sample	350
1.5.*	Determining consistence – slump test	ČSN EN 12350-2	per sample	245
1.6.*	Determining consistence – degree of compactibility	ČSN EN 12350-4	per sample	300
1.7.*	Determining consistence – flow test	ČSN EN 12350-5	per sample	290
1.8.*	Determining consistence – slump-flow test	ČSN EN 12350-8	per sample	250
1.9.*	Determining air content – pressure method	ČSN EN 12350-7	per sample	500
1.10.	Laboratory storage, molding and compacting		per set	270
1.11.	Demolding, cleaning block molds		per set	120
1.12.	Demolding, cleaning beam and cylinder molds		per set	240
1.13.	Laboratory storage, block molding and compacting in situ		per set	405
1.14.	Laboratory storage, cylinder molding and compacting in situ		per set	555
1.15.	Laboratory storage, beam molding and compacting in situ		per set	735
1.16.	Attending to test specimens		per day	50
1.17.	Attending to test specimens		7 days	100
1.18.	Attending to test specimens		28 days	150
1.19.	Attending to test specimens		60 days	250
1.20.	Attending to test specimens		90 days	400
1.21.	Determining concrete setting time	ČSN 73 1332 Z1	per sample	4,000
1.22.	Determining water-cement ratio	ČSN 73 1314	per sample	1,800

Item	To be tested	Procedure	Sample	Price / CZK
2.	**HARDENED CONCRETE**	(1 set = 3 samples)		
2.1.*	Determining bulk density	ČSN EN 12390-7	per sample	255
2.2.*	Determining compressive strength	ČSN EN 12390-3	per sample	210
2.3.*	Determining flexural strength in beams and compressive strength at beam ends	ČSN EN 12390-5	per sample	750
2.4.*	Determining depth of penetration of water under pressure	ČSN EN 12390-8	per sample	1,200
2.5.*	Determining depth of penetration of water under pressure		per set	2,850
2.6.*	Determining frost resistance (cycle phase p T25-25)	ČSN 73 1322	per set	2,550
2.7.*	T50 – number of cycles 50		per set	4,800
2.8.*	T100 – number of cycles 100		per set	9,450
2.9.*	T150 – number of cycles 150		per set	13,950

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Item	To be tested	Procedure	Sample	Price / CZK
2.10.*	Determining cement concrete surface resistance to water and defrosting chemicals (number of cycles 25)	ČSN 73 1326 Method C	per specimen	3,250
2.11.*	– number of cycles 75		per specimen	7,120
2.12.*	– number of cycles 100		per specimen	9,050
2.13.*	– number of cycles 115		per specimen	10,360
2.14.*	– number of cycles 150		per specimen	15,200
2.15.*	– unsatisfactory results for every 25 cycles started		per specimen	2,550
2.16.*	Determining cement concrete surface resistance to water and defrosting chemicals (number of cycles 25)	ČSN 73 1326 Method A	1 těleso	1,850
2.17.*	– number of cycles 50		per specimen	2,900
2.18.*	– number of cycles 75		per specimen	4,050
2.19.*	– number of cycles 100		per specimen	5,550
2.20.*	– number of cycles 150		per specimen	7,500
2.21.*	– unsatisfactory results for every 25 cycles started		per specimen	1,500
2.22.*	Determining tensile splitting strength	ČSN EN 12390-6	per set	700
2.23.*	Determining water absorption	ČSN 73 1316 IZP	per set	590
2.24.*	Determining concrete moisture	ČSN 73 1316 IZP	per set	150
2.25.*	Static modulus of elasticity in compression	ČSN ISO 1920-10	1 set (5 beams)	5,500
2.26.	Test method for metallic fibered concrete – Measuring flexural tensile strength (limit of proportionality (LOP), residual)	ČSN EN 14651+A1	per specimen	5,000
2.27.	Testing sprayed concrete – Part 5: Determining energy absorption capacity of fiber-reinforced slab specimens	ČSN EN 14488-5	per specimen	15,000
2.28.*	Determining gaps – layered concrete	ČSN 73 6124-2	per specimen	550

Item	To be tested	Procedure	Sample	Price / CZK
3.	**CONSTRUCTION TESTS**			
3.1.*	Non-destructive determination of rebound number by 73 1373 Schmidt hardness tester	ČSN 73 1373 ČSN EN 12504-2	per site	320
3.2.*	Evaluating non-destructive testing of concrete and processing test reports	ČSN 73 1373 ČSN 73 2011	Up to 10 sites	560

Item	To be tested	Procedure	Sample	Price / CZK
4.	**AGGREGATE**			
4.1.*	Sampling of aggregates – registration and preparation	ČSN EN 932-1	per sample	310
4.2.	Drying aggregate samples		per sample	120
4.3.*	Determining aggregate water content	ČSN EN 1097-5	per sample	185
4.4.*	Determining particle size distribution – sieving method	ČSN EN 933-1	per sample	800
4.5.*	Determining fine aggregate particles	ČSN EN 933-1	per sample	700
4.6.*	Determining aggregate bulk density – pycnometer	ČSN EN 1097-6	per sample	350

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Item	To be tested	Procedure	Sample	Price / CZK
4.7.*	Determining aggregate bulk density – wire basket	ČSN EN 1097-6	per sample	550
4.8.*	Determination aggregate water absorption	ČSN EN 1097-6	per sample	310
4.9.*	Determining aggregate durability and frost resistance	ČSN 72 1176, Z2	per sample	2,150
4.10.*	Determining particle shape – shape index	ČSN EN 933-4	per sample	510

Item	To be tested	Procedure	Sample	Price / CZK
5.	**UNBOUND AND HYDRAULICALLY BOUND MIXTURE**			
5.1.	Sub-base mixture composition		per design	680
5.2.	Laboratory preparing and mixing		1 mix up to 35 l	915
5.3.*	Determining water content onsite – for ARC, SC and gravel sand	ČSN EN 13286-2	per sample	180
5.4.*	Producing specimens – standard/modified Proctor compaction	ČSN EN 13286-2	per set	600
5.5.*	Determination of the laboratory reference density and water content – Proctor compaction	ČSN EN 13286-2	per sample	2,500
5.6.	Attending to test specimens		7 days	100
5.7.	Attending to test specimens		28 days	150
5.8.*	Determining compressive strength (excl. producing of specimens) – for aggregate bound cement, bound cement and binders	ČSN EN 13286-41	per set	750
5.9.*	Determining frost and water resistance – for aggregate bound cement, bound cement and binders (excl. producing of specimens) – 10 cycles	ČSN 73 6124-1, Annex A	per set	1,590
5.10.*	Determining frost and water resistance – for aggregate bound cement, bound cement and binders (excl. producing of specimens) -13 cycles	ČSN 73 6124-1, Annex A	per set	2,050
5.11.*	Determining frost and water resistance – for aggregate bound cement, bound cement and binders (excl. producing of specimens) – 16 cycles	ČSN 73 6124-1, Annex A	per set	2,590

Item	To be tested	Procedure	Sample	Price / CZK
6.	**CEMENT**			
6.1.	Producing of specimens to determine standard cement strength incl. demolding	ČSN EN 196-1	per set	350
6.2.	Attending to test specimens	ČSN EN 196-1	2 days	50
6.3.	Attending to test specimens	ČSN EN 196-1	28 days	150
6.4.	Determining flexural and compressive strength	ČSN EN 196-1	per set	200
6.5.	Determining setting time – Vicat	ČSN EN 196-3	per sample	600
6.6.	Determination of cement paste viscosity – Marsh cone		per sample	350
6.7.	Determining consistence (cement+water/cement+water+admixture)		per determination	500
6.8.	Determining consistence – (cement+sand/cement+sand+water+admixture)		per determination	700
6.9.	Determining air content in fresh mortar mixture		per determination	500
6.10.	Determining cement rise		per determination	1,000
6.11.	Determining hydration temperatures – Dewar flask		per determination	700

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Item	To be tested	Procedure	Sample	Price / CZK
7.	**SCREED MATERIALS**			
7.1.	Taking samples and curing specimens incl. demolding	ČSN EN 13892-1	per sample	350
7.2.	Determining consistence of fresh mortar – Haegermann cone	ČSN EN 1015-3	per sample	250
7.3.	Determining bulk density	ČSN EN 1015-6	per sample	300
7.4.	Determining air content	ČSN EN 1015-7	per sample	500
7.5.	Attending to test specimens	ČSN EN 13892-1	28 days	150
7.6.*	Determining flexural strength and compressive strength	ČSN EN 13892-2	per set	200
7.7.	Determining contraction		per sample	2,500

Item	To be tested	Procedure	Sample	Price / CZK
8.	**ADMIXTURES**			
8.1.	Determining dry material content	ČSN EN 480-8	per sample	250
8.2.	Determining pH		per sample	250

Item	To be tested	Procedure	Sample	Price / CZK
9.	**OTHER RELATED ACTIVITIES**			
9.1.	Hourly billing rate – extra item – lab technician		per hour	200
9.2.	Hourly billing rate – extra item – secondary school technician		per hour	350
9.3.	Hourly billing rate – extra item – laboratory head		per hour	580
9.4.	Hourly billing rate – extra item – expert opinion		per hour	850
9.5.	On-demand testing Saturday, Sunday or holidays			base rate + 30%
9.6.	Administrative – reprinting protocols		per protocol	100
9.7.	Transport – passenger car – incl. crew (time on the road)		per kilometer	11
9.8.	Transport – Ford transit commercial vehicle (Peugeot Expert) – incl. crew (time on the road)		per kilometer	14
9.9.	Use of laboratory facilities			By agreement

*Note: * Tests performed by an accredited testing laboratory – ATL No. 1302 (CEMEX Czech Republic, s.r.o.)*

These prices supersede any earlier prices listed by ATL No. 1302 CEMEX Czech Republic, s.r.o Semtín 102, 533 54 Pardubice.
All listed prices are indicative and underlie the contracted price agreed for testing.

General terms and conditions

Rates cover both accredited testing (incl. all associated preparation) and nonaccredited tests. Accredited tests are marked with an asterisk next to the serial number.

Prices listed here are according to the delivery terms stipulated in provisions of general application in the Commercial Code. Specific conditions for the customer are included in the legal form of the supplier-customer relationship such as the order, agreement and contract.

Prices for individual items listed in the different sections by what is tested include work necessary to perform the tests and assessments (taking samples, recording the tests, required adjustments, storage, self-testing, processing of test results and issue of a test report), unless expressly stated otherwise.

Customers have the option of contracting partial or complete testing in accordance with provisions of the relevant technical standards. Such work is billed according to the list price. If it cannot be used, prices are then set at an hourly rate for the number of hours the tests are performed and assessed.

The amount to be sampled for testing and the number of test specimens, measurements and assessments are determined by provisions of the relevant technical standards or conditions. If the test requires two parallel measurements (e.g. testing of aggregate), the rate for two simultaneous measurements will be already indicated for the items.

Travel is billed per kilometer at the indicated rate. Time spent traveling outside the test site and the transport of samples and material is taken into account when travel is charged and not specifically billed. Meals, overnight stays and overtime are not invoiced.

If work is interrupted by a decision from the customer or anything else where the customer is at fault (e.g. failure to meet contractual conditions), the supplier will bill for the work actually performed by individual item and to cover any costs demonstrably incurred due to the interruption.

Downtime caused to supplier by the customer will be billed at hourly rates.

If the assignment is going to be performed under difficult conditions (due to construction or climatic conditions) or requires the immediate start of laboratory work, a surcharge may be added to the regular price by agreement.

Prices are exclusive of 21% VAT.

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