

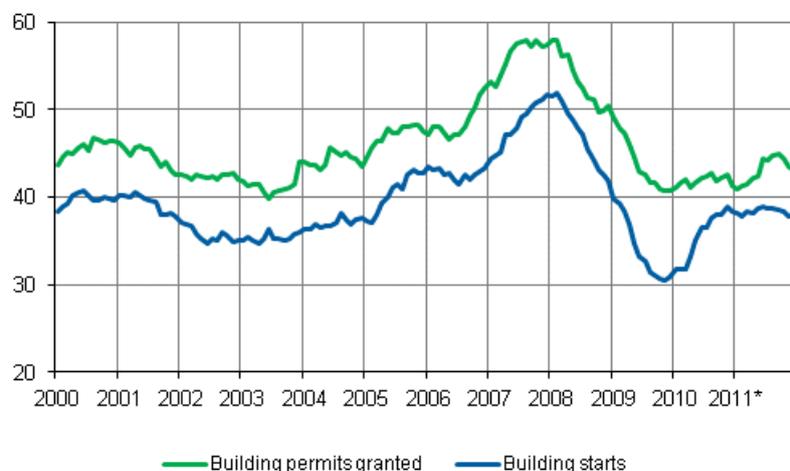
# Building and dwelling production

2011 December, 4th quarter

## Cubic volume covered by granted building permits turned to decline in the last quarter of 2011

According to the preliminary data of Statistics Finland's statistics on building and dwelling production, in the fourth quarter of 2011 building permits were granted for a total of 7.4 million cubic metres, which is 18.4 per cent less than one year ago. The cubic volume covered by permits for residential buildings decreased by 23 per cent from one year back.

### Granted permits and building starts, mil. m<sup>3</sup>, variable annual sum



In the release the data indicated with an asterisk (\*) are preliminary data.

## Cubic volume covered by granted building permits decreased by over 14 per cent in December

In December 2011, building permits were granted for a total of 2.1 million cubic metres, which is 14.4 per cent less than one year earlier. This is indicated by Statistics Finland's preliminary data from statistics on building and dwelling production.

The cubic volume covered by permits for residential buildings decreased by 22.5 per cent in December. The cubic volume covered by permits for residential blocks of flats fell by 43.2 per cent. The cubic volume

covered by permits granted for terraced houses grew by 32 per cent from one year back in December. The cubic volume covered by permits for detached houses went up slightly.

The cubic volume covered by permits granted for other than residential buildings fell by ten per cent from one year ago.

The biggest year-on-year decrease of 37.3 per cent was seen in the cubic volume covered by permits for commercial and office buildings. The cubic volumes covered by permits for public service buildings, and industrial and warehouse buildings went up slightly.

In December 2011, building permits were granted for 1,691 new dwellings, which is 22.7 per cent fewer than one year earlier. The number of permits for dwellings in residential blocks of flats fell by 40 per cent from one year back.

### ***Volume of newbuilding grew by 2.6 per cent in December***

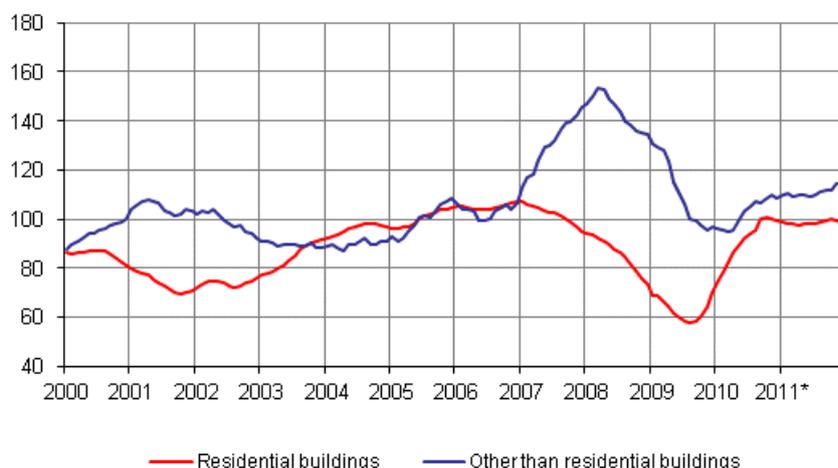
In December 2011, the constant-price value or the volume of ongoing building production was up by 2.6 per cent year-on-year. The volume of residential building construction remained almost on level with the previous year.

The volume of residential building construction has been growing distinctly more slowly since spring 2011. In December, the volume of terraced house construction grew by 15.4 per cent and that of construction of residential blocks of flats by 8.5 per cent. The volume of detached house construction contracted by 5.7 per cent from December 2010.

The volume of construction of industrial and warehouse buildings increased most, or by nearly 24.2 per cent from one year earlier. The volume of industrial building construction grew by 12.5 per cent and that of warehouse building construction by 47.6 per cent from December 2010. The volume of commercial and office building construction increased by 3.5 per cent from one year back.

The volume of public service building construction fell by 6.5 per cent year-on-year in December. The volume of other than residential building construction went up by 5.6 per cent.

### **Volume index for newbuilding 2005=100, trend**



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# Appendix tables

**Appendix table 1. Building permits, 1000 m3**

Building type	12/2011*	Annual change% <sup>1)</sup>	1-12/2011*	Annual change% <sup>1)</sup>	Variable annual sum*	Annual change% <sup>1)</sup>
All buildings	2 131	-14	43 123	6	43 123	6
Residential buildings	662	-22	13 939	2	13 939	2
Free-time residential buildings	40	-17	1 103	-14	1 103	-14
Commercial and office buildings	367	-37	7 133	1	7 133	1
Public service buildings	149	5	2 655	-13	2 655	-13
Industrial and warehouse buildings	558	6	11 094	36	11 094	36
Agricultural buildings	231	11	4 029	-5	4 029	-5
Other buildings	124	0	3 169	2	3 169	2

1) Change percentages for the year on which data are preliminary have been calculated using the preliminary data of corresponding level from the previous year.

**Appendix table 2. Building permits monthly, 1000 m3**

	All buildings	Residential buildings	Free-time residential buildings	Commercial and office buildings	Public service buildings	Industrial and warehouse buildings	Agricultural buildings
2008	50 549	11 741	1 463	9 187	3 063	16 309	5 362
2009	40 804	10 755	1 221	8 714	3 681	8 161	5 227
2010	41 208	13 956	1 303	7 096	3 124	8 217	4 354
	XII	2 535	866	51	584	148	531
2011*	I	2 275	680	37	442	83	734
	II	3 193	803	65	635	240	824
	III	4 043	1 404	102	647	220	980
	IV	4 279	1 527	112	694	169	1 001
	V	5 006	1 788	152	825	284	980
	VI	7 681	2 111	160	1 669	441	2 278
	VII	2 001	774	79	269	55	449
	VIII	3 589	1 181	96	451	233	1 125
	IX	3 688	1 276	105	374	278	1 067
	X	2 590	909	78	463	191	440
	XI	2 648	825	76	298	311	659
	XII	2 131	662	40	367	149	558

**Appendix table 3. Building permits for dwellings, No.**

Building type	12/2011*	Annual change%	1-12/2011*	Annual change%	Variable annual sum*	Annual change%
All buildings	1 691	-23	34 065	3	34 065	3
Detached houses	478	4	11 497	-4	11 497	-4
Attached houses	271	46	4 352	16	4 352	16
Blocks of flats	916	-40	17 562	7	17 562	7
Other than residential buildings	26	271	654	-24	654	-24

**Appendix table 4. Building permits by region**

Region	Volume (1000 m3)		Dwellings (No.)		Free time residential buildings (No.)	
	1-12/2011*	1-12/2010	1-12/2011*	1-12/2010	1-12/2011*	1-12/2010
All regions	43 123	41 208	34 065	33 642	5 054	5 718
Continental Finland	42 955	40 939	33 823	33 470	4 994	5 616
Uusimaa	11 030	9 894	11 854	11 467	353	277
Metropolitan area	7 030	7 113	8 369	8 836	34	47
Itä-Uusimaa	.	839	.	684	.	73
Varsinais-Suomi	3 533	3 565	2 591	2 236	475	604
Satakunta	1 671	1 430	967	829	142	197
Kanta-Häme	1 732	1 479	830	816	143	168
Pirkanmaa	3 909	3 388	3 729	3 878	343	429
Päijät-Häme	1 250	1 323	926	1 014	251	219
Kymenlaakso	1 378	1 284	637	580	167	189
South Karelia	932	1 060	661	566	205	207
Etelä-Savo	1 168	1 098	642	501	499	574
Pohjois-Savo	2 184	1 744	1 174	1 291	272	310
North Karelia	1 107	1 087	1 033	841	213	247
Central Finland	1 856	2 205	1 929	1 695	373	424
South Ostrobothnia	2 350	2 111	1 269	1 378	147	143
Ostrobothnia	1 857	1 944	973	829	280	270
Central Ostrobothnia	621	786	360	397	77	57
North Ostrobothnia	3 509	3 198	2 950	3 152	398	462
Kainuu	569	498	291	258	176	206
Lapland	2 301	2 005	1 007	1 058	480	560
Åland	167	269	242	172	60	102

**Appendix table 5. Volume index of newbuilding 2005=100**

	All buildings	Residential buildings	Free-time residential buildings	Commercial and office buildings	Public service buildings	Industrial and warehouse buildings	Agricultural buildings	
2008	113,4	85,5	112,8	194,7	97,7	157,4	93,3	
2009	85,7	62,9	96,5	131,8	110,0	102,7	95,2	
2010	96,9	91,4	112,1	119,1	118,7	75,0	94,7	
	XII	107,0	106,0	121,4	122,7	86,7	115,2	
2011*	I	104,8	101,2	103,8	127,7	125,2	97,3	101,0
	II	96,3	90,9	85,3	128,3	121,3	92,8	83,7
	III	90,4	84,9	71,5	121,8	117,5	90,4	69,6
	IV	88,9	81,3	64,4	122,3	113,2	93,1	66,0
	V	93,4	85,2	77,3	119,7	108,2	96,2	72,9
	VI	100,2	90,2	92,0	119,9	115,5	98,7	83,2
	VII	105,1	96,4	110,0	120,6	106,1	101,4	95,7
	VIII	112,6	105,3	128,8	127,3	111,5	106,4	110,4
	IX	116,9	112,1	137,9	125,5	110,7	109,6	119,9
	X	118,6	116,7	137,7	121,2	110,9	110,2	125,2
	XI	117,6	114,5	126,5	127,1	116,7	112,2	119,0
	XII	109,8	105,9	107,9	126,3	114,7	107,7	107,0

**Appendix table 6. Newbuilding 4. quarter, 2011\*, mil. m3**

Building type	Building permits granted		Building starts		Building completions	
	4. quarter	%-change 2010/2011 <sup>1)</sup>	4. quarter	%-change 2010/2011	4. quarter	%-change 2010/2011 <sup>1)</sup>
All buildings	7,37	-18	7,28	-8	10,35	4
Residential buildings	2,40	-23	2,72	-6	3,26	2
Free-time residential buildings	0,19	-20	0,17	-12	0,27	-14
Commercial and office buildings	1,13	-47	0,75	-45	1,84	53
Public service buildings	0,65	39	0,81	36	1,12	70
Industrial and warehouse buildings	1,66	-3	1,86	12	2,05	-17
Agricultural buildings	0,82	-1	0,51	-34	1,14	-24
Non-residential buildings	0,52	-7	0,45	-1	0,68	4

1) Change percentages for the year on which data are preliminary have been calculated using the preliminary data of corresponding level from the previous year.

**Appendix table 7. Building permits, mil. m3**

Year and quarter	All buildings	Residential buildings	Free-time residential buildings	Commercial and office buildings	Public service buildings	Industrial and warehouse buildings	Agricultural buildings	
2002	42,00	12,57	1,28	6,28	4,02	9,89	5,33	
2003	43,98	14,74	1,29	7,57	3,29	9,57	4,27	
2004	43,44	15,01	1,39	5,69	2,80	10,92	4,16	
2005	47,64	16,37	1,45	6,13	2,75	12,75	4,62	
2006	52,48	16,27	1,51	10,38	2,29	12,98	5,32	
2007	57,40	14,89	1,54	12,53	2,62	16,71	5,50	
2008	50,55	11,74	1,46	9,19	3,06	16,31	5,36	
2009	40,80	10,76	1,22	8,71	3,68	8,16	5,23	
2010	41,21	13,96	1,30	7,10	3,12	8,22	4,35	
	I	9,32	3,03	0,28	1,89	0,85	1,73	0,98
	II	13,93	4,63	0,46	2,04	1,10	2,90	1,59
	III	8,71	3,14	0,31	1,02	0,70	1,84	0,91
	IV	9,25	3,16	0,25	2,15	0,48	1,75	0,87
2011*	I	9,51	2,89	0,20	1,72	0,54	2,54	1,08
	II	16,97	5,43	0,42	3,19	0,89	4,26	1,43
	III	9,28	3,23	0,28	1,09	0,57	2,64	0,70
	IV	7,37	2,40	0,19	1,13	0,65	1,66	0,82

**Appendix table 8. Building starts, mil. m3**

Year and quarter	All buildings	Residential buildings	Free-time residential buildings	Commercial and office buildings	Public service buildings	Industrial and warehouse buildings	Agricultural buildings	
2002	35,03	11,09	1,00	4,84	3,84	7,92	4,41	
2003	35,91	12,66	0,99	5,94	2,73	7,83	3,60	
2004	37,69	13,51	1,09	5,46	3,12	8,78	3,35	
2005	42,70	14,98	1,16	5,77	2,38	11,80	3,98	
2006	43,25	15,10	1,16	8,20	1,92	9,97	4,23	
2007	51,67	13,51	1,26	12,18	2,42	15,17	4,48	
2008	41,87	10,57	1,14	8,52	3,08	12,54	3,54	
2009	31,50	9,20	0,98	5,82	2,93	6,58	3,63	
2010	38,37	13,59	1,16	6,42	3,08	7,90	3,73	
	I	5,84	2,01	0,15	1,67	0,47	0,96	0,29
	II	14,18	4,73	0,43	2,10	1,27	3,30	1,42
	III	10,41	3,95	0,38	1,30	0,74	1,98	1,24
	IV	7,94	2,90	0,20	1,35	0,60	1,66	0,78
2011*	I	5,76	2,07	0,11	1,41	0,47	1,10	0,31
	II	14,73	4,80	0,41	2,95	0,91	3,47	1,25
	III	10,13	3,54	0,32	1,35	0,64	2,37	1,01
	IV	7,28	2,72	0,17	0,75	0,81	1,86	0,51

**Appendix table 9. Building completions, mil. m3**

Year and quarter	All buildings	Residential buildings	Free-time residential buildings	Commercial and office buildings	Public service buildings	Industrial and warehouse buildings	Agricultural buildings	
2002	35,84	10,56	0,98	5,02	2,96	10,41	4,22	
2003	34,71	10,98	0,99	4,93	3,55	8,62	3,92	
2004	35,13	12,37	0,99	5,20	2,88	8,25	3,44	
2005	38,59	14,41	1,06	6,04	2,10	9,12	3,75	
2006	39,00	14,70	1,04	5,61	3,44	8,15	3,93	
2007	45,30	15,47	1,15	8,44	1,87	11,76	4,24	
2008	48,69	13,61	1,25	10,87	2,44	13,59	4,35	
2009	38,64	9,95	1,15	8,55	2,44	10,66	3,45	
2010	33,00	10,58	1,09	5,80	2,51	6,97	3,81	
	I	7,21	2,00	0,16	1,51	0,46	1,66	1,01
	II	7,73	2,86	0,28	1,84	0,43	1,21	0,60
	III	7,69	2,45	0,31	1,19	0,95	1,55	0,64
	IV	10,37	3,27	0,33	1,27	0,68	2,54	1,57
2011*	I	8,50	3,04	0,18	2,17	0,53	1,22	0,87
	II	8,88	3,70	0,26	1,00	0,82	2,02	0,48
	III	7,56	2,63	0,32	0,86	1,11	1,29	0,68
	IV	10,35	3,26	0,27	1,84	1,12	2,05	1,14

**Appendix table 10. Volume index of newbuilding 2005=100**

Year and quarter	All buildings	Residential buildings	Free-time residential buildings	Commercial and office buildings	Public service buildings	Industrial and warehouse buildings	Agricultural buildings
2002	85,8	73,9	83,2	96,3	122,0	99,5	104,3
2003	86,8	84,4	82,7	93,2	115,5	75,4	94,1
2004	93,0	96,2	88,8	93,8	104,2	79,4	85,3
2005	100,0	100,0	100,0	100,0	100,0	100,0	100,0
2006	103,9	104,6	101,1	112,9	93,1	101,6	99,9
2007	115,7	101,7	113,2	179,0	77,3	134,3	111,7
2008	113,4	85,5	112,8	194,7	97,7	157,4	93,3
2009	85,7	62,9	96,5	131,8	110,0	102,7	95,2
2010	96,9	91,4	112,1	119,1	118,7	75,0	94,7
I	80,6	73,0	86,5	111,1	108,7	69,2	74,9
II	86,1	78,4	85,3	116,7	113,7	68,1	67,6
III	108,1	102,2	138,9	125,2	123,7	77,2	112,2
IV	112,8	112,1	138,0	123,6	128,7	85,3	124,0
2011*	97,2	92,3	86,9	125,9	121,3	93,5	84,8
II	94,2	85,6	77,9	120,6	112,3	96,0	74,0
III	111,6	104,6	125,6	124,5	109,4	105,8	108,6
IV	115,3	112,4	124,0	124,9	114,1	110,1	117,0

**Appendix table 11. Dwelling construction by building type 2002-2011, number, building permits and building starts**

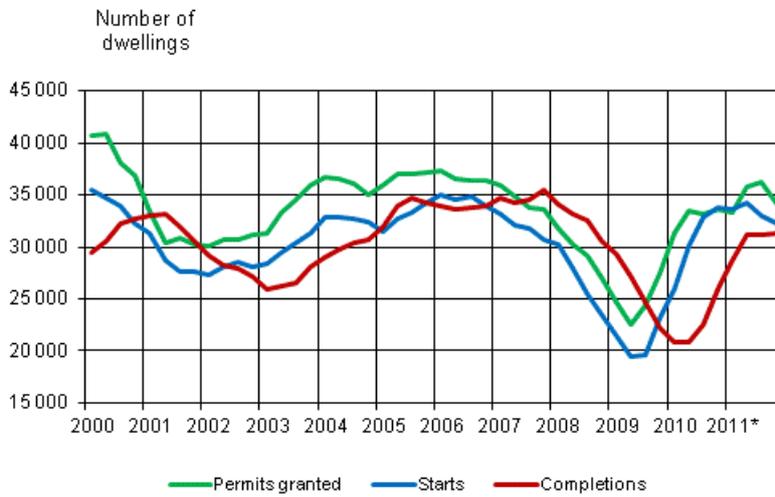
	Building permits				Starts			
	Dwellings total	Detached houses	Attached houses	Blocks of flats	Dwellings total	Detached houses	Attached houses	Blocks of flats
2002	31 235	12 573	4 536	13 653	28 154	10 801	4 094	12 871
2003	35 923	14 919	5 821	14 713	31 377	13 078	4 899	13 042
2004	35 046	15 999	5 129	13 471	32 380	14 180	4 902	12 947
2005	37 135	17 327	6 182	13 455	34 275	16 411	5 435	12 100
2006	36 370	17 025	5 691	12 827	33 997	15 671	5 478	12 354
2007	33 609	15 498	4 553	13 022	30 769	14 466	4 086	11 623
2008	27 061	11 636	3 558	11 322	23 476	11 255	2 794	8 854
2009	27 513	9 650	2 728	14 181	23 130	8 915	2 111	11 389
2010	33 642	12 221	3 857	16 715	33 712	12 104	3 822	16 907
I	7 497	2 411	849	4 170	5 334	1 438	636	3 241
II	10 574	4 524	1 417	4 190	10 972	4 648	1 367	4 791
III	7 486	3 044	827	3 446	9 681	3 660	1 047	4 535
IV	8 085	2 242	764	4 909	7 725	2 358	772	4 340
2011*	7 153	2 254	841	4 018	5 281	1 436	616	3 151
II	13 107	4 620	1 735	6 352	11 584	4 355	1 410	5 674
III	7 866	2 736	950	4 036	8 447	3 261	1 092	3 986
IV	5 939	1 887	826	3 156	6 874	2 167	832	3 768

**Appendix table 12. Dwelling constructions by building type 2002-2011, number, buildings under construction and building completions**

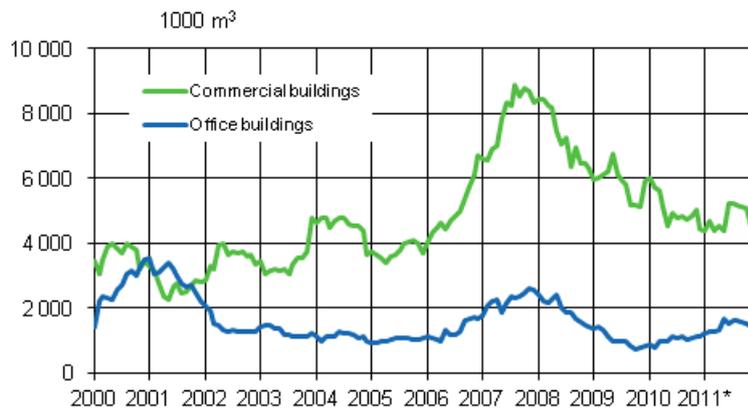
	Under construction				Completions			
	Dwellings total	Detached houses	Attached houses	Blocks of flats	Dwellings total	Detached houses	Attached houses	Blocks of flats
2002	35 145	17 094	4 236	12 960	27 171	10 335	3 793	12 539
2003	38 041	19 267	4 878	13 211	28 101	10 807	4 303	12 557
2004	39 448	20 159	5 221	13 348	30 662	12 798	4 651	12 949
2005	33 847	17 443	4 271	11 617	34 177	15 393	5 453	12 908
2006	35 327	17 375	4 541	12 720	33 885	16 153	5 459	11 945
2007	32 375	16 174	3 606	11 829	35 543	16 210	5 366	13 407
2008	27 113	13 578	2 531	10 110	30 542	14 471	4 094	11 430
2009	28 515	11 893	2 418	13 306	22 201	10 620	2 325	8 493
2010	36 380	13 040	3 418	18 856	25 894	10 484	2 867	11 762
	I	29 376	10 575	2 473	15 463	4 507	583	1 556
	II	33 566	12 327	2 971	17 308	6 812	903	2 940
	III	36 782	13 746	3 514	18 517	6 423	494	3 304
	IV	36 380	13 040	3 418	18 856	8 152	887	3 962
2011*	I	36 120	12 702	3 385	18 839	7 346	838	3 648
	II	38 074	13 476	3 411	20 069	9 294	1 340	4 312
	III	39 714	14 302	3 583	20 790	6 419	839	3 133
	IV	37 200	13 487	3 603	19 133	8 302	680	4 895

# Appendix figures

**Appendix figure 1. Housing production, sliding annual sum**



**Appendix figure 2. Office buildings, sliding annual sum**



**Appendix figure 3. Industrial and warehouses, sliding annual sum**



**Appendix figure 4. Volume index for newbuilding 2005=100, annual change %**



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Suomen virallinen tilasto  
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Construction 2012

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Source: Building and dwelling production, Statistics Finland