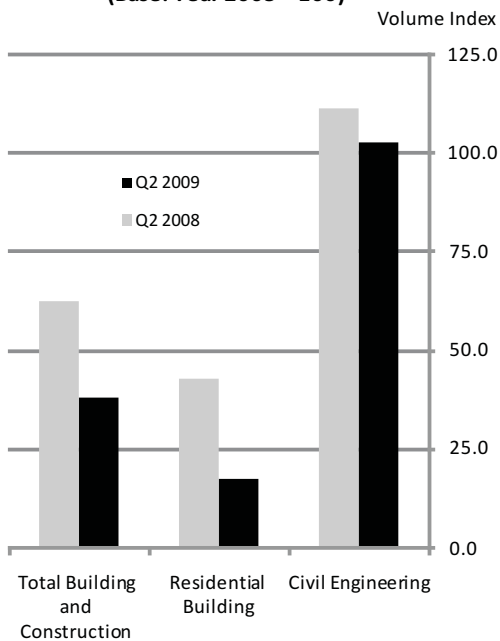




## Production in Building and Construction Index

Quarter 2 2009 (First Estimates)  
Quarter 1 2009 (Final Figures)

**Volume of Production for Building Categories**  
Q2 2008 and Q2 2009  
(Base: Year 2005 = 100)



**Production in Building and Construction Index**  
(Base: Year 2005=100)

	Volume Index	Value Index
<b>Q2 2008</b>	62.9	72.9
<b>Q2 2009</b>	38.2	43.3
<b>% change</b>	-39.3%	-40.6%

### Building and Construction Output down by 39.3% in 2nd Quarter

The volume of output in building and construction decreased by 39.3% in the second quarter of 2009 compared with the second quarter of 2008. The value of production decreased by 40.6% in the same period. *See table 1(a) and graph.*

The fall in the volume of output largely reflects declines of over 58% and almost 34% respectively in residential building work and non-residential building work. Output in civil engineering fell by almost 8%. *See tables 1(c), 2(a), 2(b) and graph.*

### EU comparisons

In the year to Q2 2009, output in the building and construction sector fell by 8.8% in the EU 27 and fell by 7.3% in the EA16. The largest increases were in Greece (+6.1%), Germany (+3.0%) and the Czech Republic (+1.2%). The largest decreases were in Lithuania (-48.0%), Ireland (-39.3%) and Latvia (-32.4%). *See tables 3(b) & 1(a).*

The first results from the CSO's Quarterly Survey of Construction (QSC) were published in August 2007 and the CSO still considers the results to be experimental. Table A (*see background notes*) compares these survey results with some other indicators for the sector. The CSO will continue to monitor the quality and comparability of this data series.

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**Table 1(a) Value and Volume Indices of Production in all Building and Construction**  
**Base: Year 2005 = 100**

Total Production in all Building and Construction					
Period	Value of Production		Volume of Production		
	Index	Annual % change	Index	Annual % change	
2000	52.0		63.1		
2001	58.9	13.3	65.3	3.4	
2002	62.9	6.8	66.6	2.1	
2003	70.3	11.8	70.4	5.7	
2004	84.3	19.9	88.3	25.4	
2005	100.0	18.6	100.0	13.3	
2006	105.1	5.1	98.4	-1.6	
2007	94.3	-10.3	84.4	-14.2	
2008	68.5	-27.4	59.1	-30.0	
2000 1st quarter	47.9		59.7		
2nd quarter	51.2		62.6		
3rd quarter	54.2		66.1		
4th quarter	54.6		64.1		
2001 1st quarter	55.8	16.5	61.4	2.8	
2nd quarter	59.6	16.4	65.2	4.2	
3rd quarter	59.4	9.6	66.8	1.1	
4th quarter	60.6	11.0	67.7	5.6	
2002 1st quarter	58.0	3.9	62.6	2.0	
2nd quarter	60.1	0.8	64.1	-1.7	
3rd quarter	66.6	12.1	70.8	6.0	
4th quarter	67.0	10.6	69.0	1.9	
2003 1st quarter	62.0	6.9	65.1	4.0	
2nd quarter	66.2	10.1	68.4	6.7	
3rd quarter	75.4	13.2	77.1	8.9	
4th quarter	77.7	16.0	71.0	2.9	
2004 1st quarter	79.3	27.9	86.0	32.1	
2nd quarter	88.9	34.3	93.8	37.1	
3rd quarter	84.7	12.3	87.7	13.7	
4th quarter	84.2	8.4	85.5	20.4	
2005 1st quarter	85.1	7.3	86.4	0.5	
2nd quarter	102.0	14.7	102.5	9.3	
3rd quarter	109.2	28.9	109.3	24.6	
4th quarter	103.7	23.2	101.9	19.2	
2006 1st quarter	102.5	20.4	99.3	14.9	
2nd quarter	102.8	0.8	96.3	-6.0	
3rd quarter	100.1	-8.3	93.0	-14.9	
4th quarter	115.1	11.0	105.0	3.0	
2007 1st quarter	92.6	-9.7	84.2	-15.2	
2nd quarter	100.5	-2.2	90.3	-6.2	
3rd quarter	91.8	-8.3	81.5	-12.4	
4th quarter	92.3	-19.8	81.7	-22.2	
2008 1st quarter	69.3	-25.2	60.3	-28.4	
2nd quarter	72.9	-27.5	62.9	-30.3	
3rd quarter	68.6	-25.3	58.8	-27.9	
4th quarter	63.2	-31.5	54.2	-33.7	
2009 1st quarter <sup>1</sup>	44.4	-35.9	38.9	-35.5	
2nd quarter <sup>2</sup>	43.3	-40.6	38.2	-39.3	

<sup>1</sup> Revised

<sup>2</sup> Provisional

Data prior to 2004 based on existing annual data from the Department of the Environment, Heritage and Local Government prepared by DKM Economic Consultants series, with quarterly breakdown estimated by CSO.  
 Series from 2004 onwards based on the CSO survey.

**Table 1(b) Value and Volume Indices of Production in Building (excluding civil engineering)**  
**Base: Year 2005 = 100**

Period	Total Production in Building (excluding civil engineering)			
	Value of Production		Volume of Production	
	Index	Annual % change	Index	Annual % change
2000	53.2		64.8	
2001	59.2	11.4	65.9	1.7
2002	61.2	3.3	65.4	-0.8
2003	69.7	14.0	69.7	6.7
2004	84.9	21.8	88.9	27.5
2005	100.0	17.8	100.0	12.5
2006	102.8	2.7	96.2	-3.8
2007	87.8	-14.5	78.7	-18.3
2008	59.5	-32.3	51.3	-34.8
2000 1st quarter	48.6		61.3	
2000 2nd quarter	52.4		64.3	
2000 3rd quarter	55.7		68.1	
2000 4th quarter	56.0		65.4	
2001 1st quarter	55.8	14.8	61.7	0.7
2001 2nd quarter	60.2	14.9	65.8	2.3
2001 3rd quarter	59.7	7.2	67.6	-0.7
2001 4th quarter	61.2	9.3	68.4	4.6
2002 1st quarter	55.3	-0.9	60.8	-1.5
2002 2nd quarter	57.7	-4.2	61.9	-5.9
2002 3rd quarter	65.4	9.5	69.8	3.3
2002 4th quarter	66.3	8.3	68.9	0.7
2003 1st quarter	60.0	8.5	63.8	4.9
2003 2nd quarter	65.0	12.7	67.2	8.6
2003 3rd quarter	75.6	15.6	77.7	11.3
2003 4th quarter	78.3	18.1	70.2	1.9
2004 1st quarter	80.7	34.5	87.5	37.1
2004 2nd quarter	89.8	38.2	94.7	40.9
2004 3rd quarter	84.3	11.5	87.2	12.2
2004 4th quarter	84.8	8.3	86.2	22.8
2005 1st quarter	88.3	9.4	89.6	2.4
2005 2nd quarter	103.7	15.5	104.1	9.9
2005 3rd quarter	105.4	25.0	105.5	21.0
2005 4th quarter	102.7	21.1	100.8	16.9
2006 1st quarter	104.3	18.1	101.0	12.7
2006 2nd quarter	101.6	-2.0	95.2	-8.5
2006 3rd quarter	96.0	-8.9	89.2	-15.5
2006 4th quarter	109.1	6.2	99.5	-1.3
2007 1st quarter	87.9	-15.7	79.9	-20.9
2007 2nd quarter	95.6	-5.9	86.0	-9.7
2007 3rd quarter	84.1	-12.4	74.6	-16.4
2007 4th quarter	83.6	-23.4	74.1	-25.5
2008 1st quarter	64.4	-26.7	56.1	-29.8
2008 2nd quarter	63.8	-33.3	55.1	-35.9
2008 3rd quarter	57.2	-32.0	49.0	-34.3
2008 4th quarter	52.5	-37.2	45.0	-39.3
2009 1st quarter <sup>1</sup>	35.9	-44.3	31.4	-44.0
2009 2nd quarter <sup>2</sup>	31.6	-50.5	27.9	-49.4

<sup>1</sup> Revised

<sup>2</sup> Provisional

Data prior to 2004 based on existing annual data from the Department of the Environment, Heritage and Local Government prepared by DKM Economic Consultants series, with quarterly breakdown estimated by CSO. Series from 2004 onwards based on the CSO survey.

**Table 1(c) Value and Volume Indices of Production in Civil Engineering**
**Base: Year 2005 = 100**

Period	Total Production in Civil Engineering			
	Value of Production		Volume of Production	
	Index	Annual % change	Index	Annual % change
2000	47.7		56.6	
2001	58.4	22.3	63.5	12.2
2002	71.4	22.3	73.4	15.5
2003	74.2	4.0	74.3	1.3
2004	80.6	8.6	84.4	13.6
2005	100.0	24.1	100.0	18.5
2006	120.1	20.1	112.2	12.2
2007	134.8	12.2	120.7	7.6
2008	124.4	-7.7	107.6	-10.8
2000 1st quarter	45.3		53.8	
2nd quarter	47.1		55.9	
3rd quarter	48.9		58.0	
4th quarter	49.6		58.8	
2001 1st quarter	57.0	25.8	61.0	13.4
2nd quarter	58.0	23.1	63.5	13.6
3rd quarter	59.0	20.7	64.3	10.9
4th quarter	59.4	19.8	65.3	11.1
2002 1st quarter	70.9	24.4	71.8	17.7
2nd quarter	70.9	22.2	74.7	17.6
3rd quarter	72.8	23.4	76.2	18.5
4th quarter	70.9	19.4	70.7	8.3
2003 1st quarter	71.9	1.4	71.8	0.0
2nd quarter	72.7	2.5	74.3	-0.5
3rd quarter	75.7	4.0	75.7	-0.7
4th quarter	76.5	7.9	75.5	6.8
2004 1st quarter	71.0	-1.3	77.1	7.4
2nd quarter	83.4	14.7	88.1	18.6
3rd quarter	87.5	15.6	90.6	19.7
4th quarter	80.4	5.1	81.8	8.3
2005 1st quarter	65.0	-8.5	66.0	-14.4
2nd quarter	91.9	10.2	92.5	5.0
3rd quarter	132.8	51.8	133.1	46.9
4th quarter	110.3	37.2	108.4	32.5
2006 1st quarter	91.1	40.2	88.3	33.8
2nd quarter	110.3	20.0	103.5	11.9
3rd quarter	126.0	-5.1	117.2	-11.9
4th quarter	153.0	38.7	139.8	29.0
2007 1st quarter	121.8	33.7	110.8	25.5
2nd quarter	130.7	18.5	117.6	13.6
3rd quarter	140.2	11.3	124.5	6.2
4th quarter	146.3	-4.4	129.8	-7.2
2008 1st quarter	99.9	-18.0	87.1	-21.4
2nd quarter	129.4	-1.0	111.7	-5.0
3rd quarter	138.5	-1.2	120.0	-3.6
4th quarter	129.9	-11.2	111.6	-14.0
2009 1st quarter <sup>1</sup>	97.5	-2.4	85.5	-1.8
2nd quarter <sup>2</sup>	116.4	-10.0	102.9	-7.9

<sup>1</sup> Revised

<sup>2</sup> Provisional

Data prior to 2004 based on existing annual data from the Department of the Environment, Heritage and Local Government prepared by DKM Economic Consultants series, with quarterly breakdown estimated by CSO.  
Series from 2004 onwards based on the CSO survey.

**Table 2(a) Value and Volume Indices of Production in Residential Building**
**Base: Year 2005 = 100**

Period	Total Production in Residential Building			
	Value of Production		Volume of Production	
	Index	Annual % change	Index	Annual % change
2000	42.5		55.8	
2001	49.0	15.4	58.0	4.0
2002	53.4	8.9	59.0	1.7
2003	65.5	22.7	65.5	11.2
2004	82.6	26.1	86.4	31.9
2005	100.0	21.1	100.0	15.7
2006	101.3	1.3	94.9	-5.2
2007	80.6	-20.4	72.2	-23.9
2008	44.1	-45.3	38.0	-47.3
2000 1st quarter	38.1		52.6	
2nd quarter	41.8		55.5	
3rd quarter	45.0		59.2	
4th quarter	45.0		55.7	
2001 1st quarter	45.3	18.9	53.4	1.5
2nd quarter	50.4	20.6	58.0	4.5
3rd quarter	49.4	9.8	59.8	1.0
4th quarter	51.0	13.3	60.7	9.0
2002 1st quarter	46.3	2.2	53.6	0.4
2nd quarter	49.3	-2.2	55.0	-5.2
3rd quarter	58.1	17.6	63.9	6.9
4th quarter	59.8	17.3	63.3	4.3
2003 1st quarter	54.2	17.1	59.0	10.1
2nd quarter	60.1	21.9	62.9	14.4
3rd quarter	72.3	24.4	74.7	16.9
4th quarter	75.3	25.9	65.5	3.5
2004 1st quarter	79.2	46.1	85.9	45.6
2nd quarter	88.7	47.6	93.5	48.6
3rd quarter	80.4	11.2	83.1	11.2
4th quarter	81.9	8.8	83.2	27.0
2005 1st quarter	89.5	13.0	90.8	5.7
2nd quarter	103.9	17.1	104.4	11.7
3rd quarter	104.9	30.5	105.0	26.4
4th quarter	101.7	24.2	99.8	20.0
2006 1st quarter	104.9	17.2	101.6	11.9
2nd quarter	101.5	-2.3	95.1	-8.9
3rd quarter	91.8	-12.5	85.3	-18.8
4th quarter	106.8	5.0	97.4	-2.4
2007 1st quarter	83.5	-20.4	75.9	-25.3
2nd quarter	89.2	-12.1	80.2	-15.7
3rd quarter	76.5	-16.7	67.8	-20.5
4th quarter	73.2	-31.5	64.8	-33.5
2008 1st quarter	51.6	-38.2	44.9	-40.8
2nd quarter	49.8	-44.2	42.9	-46.5
3rd quarter	41.3	-46.0	35.4	-47.8
4th quarter	33.7	-54.0	28.9	-55.4
2009 1st quarter <sup>1</sup>	23.1	-55.2	20.2	-55.0
2nd quarter <sup>2</sup>	20.1	-59.6	17.8	-58.5

<sup>1</sup> Revised

<sup>2</sup> Provisional

Data prior to 2004 based on existing annual data from the Department of the Environment, Heritage and Local Government prepared by DKM Economic Consultants series, with quarterly breakdown estimated by CSO.

Series from 2004 onwards based on the CSO survey.

**Table 2(b) Value and Volume Indices of Production in Non-Residential Building**  
**Base: Year 2005 = 100**

Period	Total Production in Non-Residential Building			
	Value of Production		Volume of Production	
	Index	Annual % change	Index	Annual % change
2000	99.8		105.7	
2001	103.8	4.0	101.3	-4.2
2002	95.0	-8.5	93.7	-7.5
2003	87.7	-7.7	87.8	-6.4
2004	94.8	8.2	99.3	13.1
2005	100.0	5.5	100.0	0.8
2006	109.1	9.1	102.1	2.1
2007	118.5	8.6	106.1	3.9
2008	125.0	5.5	107.8	1.6
2000 1st quarter	94.8		100.4	
2000 2nd quarter	98.5		104.3	
2000 3rd quarter	102.3		108.4	
2000 4th quarter	103.7		109.8	
2001 1st quarter	101.4	7.0	98.9	-1.5
2001 2nd quarter	103.2	4.8	100.7	-3.5
2001 3rd quarter	104.9	2.5	102.3	-5.6
2001 4th quarter	105.7	1.9	103.2	-6.0
2002 1st quarter	94.3	-7.0	93.0	-6.0
2002 2nd quarter	94.4	-8.5	93.1	-7.5
2002 3rd quarter	96.9	-7.6	95.6	-6.5
2002 4th quarter	94.4	-10.7	93.1	-9.8
2003 1st quarter	84.9	-10.0	85.0	-8.6
2003 2nd quarter	85.9	-9.0	86.0	-7.6
2003 3rd quarter	89.4	-7.7	89.5	-6.4
2003 4th quarter	90.4	-4.2	90.5	-2.8
2004 1st quarter	86.9	2.4	94.3	10.9
2004 2nd quarter	94.6	10.1	99.9	16.2
2004 3rd quarter	100.8	12.8	104.3	16.5
2004 4th quarter	96.9	7.2	98.6	9.0
2005 1st quarter	83.2	-4.3	84.4	-10.5
2005 2nd quarter	102.6	8.5	103.2	3.3
2005 3rd quarter	107.4	6.5	107.5	3.1
2005 4th quarter	106.8	10.2	105.0	6.5
2006 1st quarter	101.8	22.4	98.6	16.8
2006 2nd quarter	102.0	-0.6	95.6	-7.4
2006 3rd quarter	113.9	6.1	105.8	-1.6
2006 4th quarter	118.8	11.2	108.4	3.2
2007 1st quarter	106.8	4.9	97.1	-1.5
2007 2nd quarter	123.1	20.7	110.7	15.8
2007 3rd quarter	116.4	2.2	103.3	-2.4
2007 4th quarter	127.8	7.6	113.2	4.4
2008 1st quarter	118.9	11.3	103.6	6.7
2008 2nd quarter	123.8	0.6	106.9	-3.4
2008 3rd quarter	124.6	7.0	106.8	3.4
2008 4th quarter	132.7	3.8	113.7	0.4
2009 1st quarter <sup>1</sup>	90.3	-24.1	79.3	-23.5
2009 2nd quarter <sup>2</sup>	80.3	-35.1	70.9	-33.7

<sup>1</sup> Revised

<sup>2</sup> Provisional

Data prior to 2004 based on existing annual data from the Department of the Environment, Heritage and Local Government prepared by DKM Economic Consultants series, with quarterly breakdown estimated by CSO.

Series from 2004 onwards based on the CSO survey.

**Table 3(a) Annual Volume Indices of Production in all Building and Construction in the EU15, the EU27, the Euro Areas and Member States 2000 to 2008**

**Base: Year 2005 = 100**

	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>EU27</b>	94.4	94.7	95.9	97.6	98.3	100.0	103.4	105.5	102.2
<b>EU15</b>	94.6	95.1	96.3	98.0	98.6	100.0	102.9	104.4	100.5
<b>Euro Area (EA 15)</b>	96.7	97.1	97.5	98.3	98.1	100.0	103.1	104.1	99.1
<b>Euro Area (EA 16)</b>	96.7	97.0	97.5	98.2	98.1	100.0	103.1	104.2	99.2
Belgium	113.7 <sup>ep</sup>	111.6 <sup>ep</sup>	108.7 <sup>ep</sup>	105.5 <sup>ep</sup>	103.5 <sup>ep</sup>	99.9 <sup>ep</sup>	103.2 <sup>ep</sup>	105.6 <sup>ep</sup>	104.3 <sup>ep</sup>
Bulgaria	45.3 <sup>s</sup>	51.9 <sup>s</sup>	53.4 <sup>s</sup>	56.2 <sup>s</sup>	75.8 <sup>s</sup>	100.2 <sup>s</sup>	124.2 <sup>s</sup>	158.8 <sup>s</sup>	153.1 <sup>ps</sup>
Czech Republic	70.6	78.1	80.4	87.8	95.2	100.2	106.5	114.1	113.5
Denmark	103.3 <sup>e</sup>	96.0	95.0	97.4	97.2	100.1	110.0	114.0	115.9
Germany	131.1	121.1	116.0	111.1	105.2	99.7	106.0	109.0	108.2
Estonia	52.8	54.9	67.4	71.5	80.5	100.2	127.4	148.3	125.6
<b>Ireland</b>	<b>63.1</b>	<b>65.3</b>	<b>66.6</b>	<b>70.4</b>	<b>88.3</b>	<b>100.0</b>	<b>98.4</b>	<b>84.4</b>	<b>59.1</b>
Greece	139.2	148.3	206.3	194.5	163.5	100.2	104.0	119.8	123.0
Spain	79.7 <sup>p</sup>	82.1 <sup>p</sup>	82.6 <sup>p</sup>	88.5 <sup>p</sup>	90.6 <sup>p</sup>	99.8 <sup>p</sup>	102.0 <sup>p</sup>	97.6 <sup>p</sup>	81.6 <sup>p</sup>
France	100.3	101.0	98.9	97.9	97.1	99.5	101.3	102.4	101.8
Italy	84.7	89.9	94.6	97.2	98.7	100.0	103.9	110.5	110.1
Cyprus	81.7 <sup>p</sup>	84.4 <sup>p</sup>	87.1 <sup>p</sup>	93.2 <sup>p</sup>	97.3 <sup>p</sup>	100.0 <sup>p</sup>	104.0 <sup>p</sup>	110.6 <sup>p</sup>	113.2 <sup>p</sup>
Latvia	56.2	59.8	66.9	76.1	86.9	100.2	113.4	129.1	125.2
Lithuania	51.1	54.9	66.8	85.4	91.2	100.3	122.0	149.1	155.2
Luxembourg	95.3	99.3	101.2	102.1	100.9	100.0	102.4	105.2	103.1
Hungary	62.6	68.4	80.7	82.9	86.5	100.1	99.4	85.5	81.0
Malta	84.4	81.5	100.6	94.9	95.9	100.0	108.3	110.3	112.9
Netherlands	107.3	107.1	104.7	99.1	96.6	99.9	102.5	108.5	114.5
Austria	81.1	80.6	81.0	91.0	95.5	100.2	106.1	110.2	109.0
Poland	122.8	110.1	99.4	92.7	91.7	100.3	116.3	135.2	148.2
Portugal	115.7	121.1	119.8	109.5	104.8	100.0	93.4	89.9	88.6
Romania	77.5	86.2	90.1	93.1	94.8	100.5	116.2	154.6	196.4
Slovenia	92.2	82.5	88.7	97.3	97.9	99.8	115.5	136.9	158.1
Slovakia	74.9	75.4	78.6	83.0	88.0	100.4	116.3	122.5	136.6
Finland	86.2 <sup>e</sup>	86.8 <sup>e</sup>	87.9 <sup>e</sup>	91.3 <sup>e</sup>	95.1 <sup>e</sup>	100.1 <sup>e</sup>	107.6 <sup>e</sup>	118.6 <sup>e</sup>	123.4 <sup>e</sup>
Sweden	92.6	97.6	98.2	98.3	97.3	99.9	108.7	117.0	124.1
United Kingdom	87.0	87.9	92.0	97.1	100.5	100.0	101.4	103.8 <sup>p</sup>	102.4 <sup>p</sup>

: Data not available, e Estimated Value, p Provisional data, s Eurostat estimate

Source: Eurostat

Data updated from previous publication

The Euro Area (EA16) consists of Belgium, Germany, Ireland, Greece, Spain, France, Italy, Cyprus, Luxembourg, Malta, the Netherlands, Austria, Portugal, Slovenia, Finland and Slovakia.

The Euro Area (EA15) consists of Belgium, Germany, Ireland, Greece, Spain, France, Italy, Cyprus, Luxembourg, Malta, the Netherlands, Austria, Portugal, Slovenia and Finland.



**Table 3(b) Volume of Production in All Building and Construction in the EU27, the EU15, the Euro Areas and Member States, annual % changes q2 2007 to q2 2009**

**Base: Year 2005 = 100**

	Q2 2007	Q3 2007	Q42007	Q12008	Q2 2008	Q3 2008	Q4 2008	Q1 2009	Q2 2009
<b>EU27</b>	2.4	1.0	-1.0	0.6	-2.1	-3.2	-7.4	-11.0	-8.8
<b>EU15</b>	1.9	0.5	-1.6	0.2	-2.8	-3.9	-8.0	-11.2	-8.8
<b>Euro Area (EA15)</b>	1.7	-0.1	-3.1	-0.9	-4.5	-5.0	-8.5	-10.2	-7.3
<b>Euro Area (EA16)</b>	1.7	-0.1	-3.1	-0.9	-4.4	-5.0	-8.4	-10.3	-7.3
Belgium	1.2 <sup>ep</sup>	0.9 <sup>ep</sup>	-1.0 <sup>ep</sup>	0.3 <sup>ep</sup>	3.5 <sup>ep</sup>	0.1 <sup>ep</sup>	-8.8 <sup>ep</sup>	-5.3 <sup>ep</sup>	:
Bulgaria	26.1 <sup>s</sup>	22.3 <sup>s</sup>	23.7 <sup>s</sup>	-3.3 <sup>ps</sup>	-0.8 <sup>ps</sup>	-2.6 <sup>ps</sup>	-7.2 <sup>ps</sup>	-5.5 <sup>ps</sup>	-10.7 <sup>ps</sup>
Czech Republic	8.0	-0.4	3.4	-0.1	-2.4	5.2	-4.0	-11.4	1.2
Denmark	4.4	-3.6	4.6	5.1	3.1	-0.9	-0.1	-10.2	-15.9
Germany	-0.6	-2.0	-3.5	2.9	-1.2	-1.4	-2.3	-12.6	3.0
Estonia	14.5	13.1	12.9	-5.9	-8.7	-20.9	-22.4	-31.3	-28.3
<b>Ireland</b>	<b>-6.2</b>	<b>-12.4</b>	<b>-22.2</b>	<b>-28.4</b>	<b>-30.3</b>	<b>-27.9</b>	<b>-33.7</b>	<b>-35.5</b>	<b>-39.3<sup>p</sup></b>
Greece	33.7	19.2	22.0	14.1	2.8	1.9	-3.2	-5.9	6.1 <sup>p</sup>
Spain	-4.6 <sup>p</sup>	-5.5 <sup>p</sup>	-7.4 <sup>p</sup>	-9.4 <sup>p</sup>	-17.3 <sup>p</sup>	-18.6 <sup>p</sup>	-19.7 <sup>p</sup>	-10.9 <sup>p</sup>	-11.6 <sup>p</sup>
France	0.9	0.5	-0.7	1.6	-1.4	0.6	-3.0	-7.1	-5.2
Italy	9.3	8.5	-1.2	2.9	1.6	1.4	-6.9	-12.6	-11.4 <sup>p</sup>
Cyprus	6.9 <sup>p</sup>	8.2 <sup>p</sup>	5.7 <sup>p</sup>	8.8 <sup>p</sup>	4.2 <sup>p</sup>	2.7 <sup>p</sup>	-4.8 <sup>p</sup>	:	:
Latvia	16.1	13.4	11.2	10.8	5.5	-7.1	-11.4	-29.8	-32.4
Lithuania	29.1	17.4	12.1	19.3	10.0	4.1	-9.2	-42.8	-48.0
Luxembourg	2.4	-1.9	-3.3	-4.4	1.2	-1.0	-3.8	0.8	-2.6
Hungary	-6.3	-19.9	-21.5	-15.9	-4.6	-4.3	1.3	-4.5	-0.5
Malta	1.3	1.3	1.6	1.0	2.7	2.8	3.0	1.5	0.3
Netherlands	7.6	4.2	2.7	9.6	7.0	3.8	1.6	-3.8	-6.1
Austria	6.9	2.2	-1.3	3.3	-1.3	-3.0	-1.4	-5.1	-0.6
Poland	15.2	10.8	10.2	15.6	18.5	8.2	2.7	3.3	0.4
Portugal	-4.9	-2.9	0.0	-1.3	-1.7	-0.5	-2.1	-4.3	-3.5
Romania	30.2	28.7	42.4	36.7	41.4	27.8	14.6	1.7	-15.1
Slovenia	32.7	16.3	0.1	32.3	16.9	15.6	4.3	-19.1	-19.0
Slovakia	7.5	2.6	-1.9	12.4	9.8	10.2	14.0	-13.7	-5.4
Finland	14.2 <sup>e</sup>	7.8 <sup>e</sup>	6.8 <sup>e</sup>	10.1 <sup>e</sup>	7.6 <sup>e</sup>	7.2 <sup>e</sup>	-5.3 <sup>e</sup>	-15.8 <sup>e</sup>	-18.6 <sup>e</sup>
Sweden	0.8	12.0	8.3	6.2	11.8	4.8	1.7	-4.2	-1.4
United Kingdom	2.7	2.2 <sup>p</sup>	2.2 <sup>p</sup>	2.9 <sup>p</sup>	1.1 <sup>p</sup>	-0.9 <sup>p</sup>	-8.1 <sup>p</sup>	-15.1 <sup>p</sup>	-14.5 <sup>p</sup>

: Data not available, c Confidential, e Estimated Value, p Provisional data, s Eurostat estimate

Source: Eurostat

Data updated from previous publication

The Euro Area (EA16) consists of Belgium, Germany, Ireland, Greece, Spain, France, Italy, Cyprus, Luxembourg, Malta, the Netherlands, Austria, Portugal, Slovenia, Finland and Slovakia.

The Euro Area (EA15) consists of Belgium, Germany, Ireland, Greece, Spain, France, Italy, Cyprus, Luxembourg, Malta, the Netherlands, Austria, Portugal, Slovenia and Finland.

## Background Notes

<b>Production in Building &amp; Construction Index</b>	<p>The quarterly production in building and construction index provides quarterly statistics on output in the sector. The index monitors trends in the value and the volume of production in building and construction. The primary purpose of the index is to measure changes in value added at constant prices.</p> <p>The principal difference between the value and volume indices is that the volume index traces the quantitative volume of production (i.e. effect of price changes excluded) each quarter. The Capital Goods price index for Building and Construction was used as the price deflator for this series.</p> <p>This series is also available using the interactive tables in the CSO's Database Direct on <a href="http://www.cso.ie">www.cso.ie</a>.</p>
<b>Reference Periods</b>	<p>The production in building and construction index is carried out on a quarterly basis (i.e. the first quarter covers January, February and March etc.).</p>
<b>Base Year</b>	<p>The set of indices, based on the Laspeyres Index, has been compiled with reference to base year 2005 = 100. The underlying structural weighting system is based on annual output in the Building and Construction sector as published in the DKM Economic Consultants Review of the Construction Industry for the year 2007, which presents annual output for reference year 2005.</p>
<b>Legal Basis</b>	<p>The survey is carried out in accordance with the Statistics (Quarterly Survey of Construction) Order 2009, Number 73 made under the 1993 Statistics Act. The statistics are also required for EU comparisons under Council Regulation (EC) No. 1165/98 which has been amended by Regulation (EC) No. 1893/2006 with the introduction of NACE Rev. 2.</p>
<b>Scope and Coverage</b>	<p>The production in building and construction index covers, on a sample basis, the production of all firms in the private (i.e. non-State) sector whose main activity is building, construction or civil engineering i.e. firms classified to division F of the Statistical Classification of Economic Activities in the European Community (NACE Rev. 2). Approximately 2,000 firms are surveyed each quarter.</p>
<b>Methodology</b>	<p>A detailed description of the methodology is available on the CSO website at: <a href="http://www.cso.ie/surveysandmethodologies/documents/pdf_docs/qsc_methodology.pdf">http://www.cso.ie/surveysandmethodologies/documents/pdf_docs/qsc_methodology.pdf</a></p>

**Comparison  
with other  
national series**

The CSO considers the results of this QSC survey to be experimental and the methodology is still under review. There are differences (due to timing, definitions and other factors) between the quarterly and annual trends measured by this survey and by other national data sources. In particular the quarterly series from the QSC show considerable volatility. Table A, below, compares the main *annual* results of the survey with national employment and house building indicators.

The series shows a decrease of 6.3% in the annual volume of production in building and construction, between 2000 and 2008. In the same period, employment in the sector, as measured by the QNHS, grew by 42%.

For residential buildings, the QSC shows a decrease of 31.9% in the annual volume of production between 2000 and 2008, whereas the house completions series shows an increase of 3.8%. These two series also show substantially different trends between 2007 and 2008.

Data on house-building commencements, a relatively new leading indicator, are also included in Table A. This indicator suggests a substantial slowdown in residential building in 2008 compared to 2007.

**Table A: Comparison of Building and Construction sector indicators**

New CSO Series			Other Indicators			
Volume of production in building and construction	Volume of production in civil engineering	Volume of production in residential building	Persons In Employed in the Construction Sector	House Completions <sup>3</sup>	House Commencement Notices <sup>4</sup>	
Index	Index	Index	No.	No.	No.	
2005=100	2005=100	2005=100				
2000	63.1	56.6	55.8	170,000 <sup>1</sup>	49,812	n/a
2001	65.3	63.5	58.0	182,200 <sup>1</sup>	52,602	n/a
2002	66.6	73.4	59.0	183,300 <sup>1</sup>	57,695	n/a
2003	70.4	74.3	65.5	192,300 <sup>1</sup>	68,819	n/a
2004	88.3	84.4	86.4	197,700 <sup>2</sup>	76,954	77,691
2005	100.0	100.0	100.0	227,500 <sup>2</sup>	86,189	77,709
2006	98.4	112.2	94.9	251,600 <sup>2</sup>	88,187	75,602
2007	84.4	120.7	72.2	269,900 <sup>2</sup>	78,027	48,876
2008	59.1	107.6	38.0	241,400 <sup>2</sup>	51,724	22,852

<sup>1</sup> Quarterly National Household Survey, April - June quarter, NACE Rev. 1.

<sup>2</sup> Quarterly National Household Survey, April - June quarter, NACE Rev. 2. Data prior to 2004 is only classified according to NACE Rev 1.

<sup>3</sup> The 2005 figure incorporates an upward adjustment by the CSO of about 5,200 units. The adjustment takes account of work in progress which had not been included in the DoEHLG data for 2005. The 2006 figure incorporates a corresponding adjustment downwards.

<sup>4</sup> Source DoEHLG. Data not available prior to 2004.