



PRODUCTION BULLETIN NO. 5: BUILDING MATERIALS AND FITTINGS AUSTRALIA, AUGUST 1986

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EXPLANATORY NOTES

Introduction

This publication is one of a series of eight containing monthly and quarterly production statistics. The titles of the other publications of this series are shown in paragraph 7 below.

2. Data contained in these publications are mostly based on monthly or quarterly collections conducted by the Australian Bureau of Statistics (ABS). Where another authority is the source this is indicated in a footnote.

Classification

3. Most items are identified by the commodity codes used in Australian manufacturing statistics. However, in cases where data are derived from sources other than ABS collections no commodity code is shown. In general, where items are combined they have been arranged so as to align production data with import and export commodity items in accordance with the Australian Standard Commodity Classification (ASCC). For further information regarding the ASCC, see the ABS publication *Australian Standard Commodity Classification, Part 1: Introduction, Summary Classification and Commodity Keys* (1207.0).

Scope and coverage

4. Manufacturing commodity statistics collected by the ABS exclude details relating to single establishment manufacturing enterprises with fewer than four persons employed and production of establishments predominantly engaged in non-manufacturing activities but which may carry on, in a minor way, some manufacturing. However, except for a few commodities the effect on production levels and movements is marginal.

5. Annual figures shown in this publication are derived by aggregating monthly/quarterly production and relate to production during the year ended 30 June. They may differ from annual manufacturing census data which relate to the census year and, in the case of businesses unable to report on a June year basis include details in respect of substitute accounting periods.

Seasonal adjustment

6. This publication contains seasonally adjusted statistics of several items. In the seasonal adjustment, account has been taken not only of normal seasonal factors but also of 'trading-day' effects (arising from the varying numbers of Sundays, Mondays, Tuesdays etc. in the month) and the influence of Easter and Australia Day which may, in successive years, affect figures for different

months. However, care should be exercised in interpreting the figures for those months in which Christmas/New Year and Easter holidays fall as some manufacturers vary holiday shutdowns in the light of prevailing demand for their products. Details of the methods used in seasonally adjusting these and other series are available on request.

Related publications

7. Other ABS publications which may be of interest are:

Production Bulletin No. 1: Electrical Appliances, Australia (8357.0)—issued monthly

Production Bulletin No. 2: Clothing and Footwear, Australia (8358.0)—issued monthly

Production Bulletin No. 3: Food, Drink and Tobacco, Australia (8359.0)—issued monthly

Production Bulletin No. 4: Textiles, Bedding and Floor Coverings, Australia (8360.0)—issued monthly

Production Bulletin No. 6: Chemicals and By-products, Australia (8362.0)—issued monthly

Production Bulletin No. 7: Motor Vehicles, Motor Bodies and Trailed Vehicles, Australia (8363.0)—issued quarterly

Production Bulletin No. 8: Miscellaneous Products, Australia (8364.0)—issued monthly

Manufacturing Commodities: Selected Principal Articles Produced, Australia, 1984-85, Preliminary (8365.0)

Manufacturing Commodities: Principal Articles Produced, Australia, 1982-83 and 1983-84 (8303.0) (\$1.90, \$2.80 incl. postage)

8. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The Catalogue and Publications Advice are available from any ABS office.

Symbols and other usages

n.p. not available for separate publication (but included in totals where applicable)

.. not applicable

— break in continuity of series (where a line is drawn between two consecutive figures in the same column)

IAN CASTLES
Australian Statistician

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BRICKS
(million)

Period	Clay						
	For structural purposes						
	N.S.W. and A.C.T.(a)	Vic(a)	Old(a) (471.91.93)	Other States(a)	Australia		Concrete -standard size (475.21)
					Original	Seasonally adjusted(b)	
1983-84	695	401	248	447	1,708	..	83.9
1984-85	721	433	249	516	1,920	..	92.3
1985-86	747	447	251	540	1,984	..	112.7
1985—							
June	61.0	37.7	20.4	42.5	162	166	6.9
July	71.5	43.8	24.1	49.2	189	172	7.9
August	66.1	39.4	22.4	46.6	174	168	6.7
September	65.7	39.0	21.9	43.1	170	169	10.9
October	70.3	42.3	22.0	50.2	185	167	10.1
November	65.3	38.8	22.6	46.0	173	167	9.3
December	53.6	32.6	17.4	42.4	146	162	11.8
1986—							
January	40.0	23.8	16.1	37.6	118	165	8.0
February	60.6	37.2	20.0	42.3	160	168	9.0
March	62.1	34.8	20.7	48.7	166	169	10.0
April	63.9	40.9	21.9	43.6	170	158	10.7
May	66.8	37.3	20.4	47.7	172	161	10.7
June	60.7	36.7	21.7	42.7	162	162	7.8
July	64.0	42.4	22.8	44.3	173	157	11.3
August	61.6	39.0	19.2	39.1	159	158	10.2
1985-86: July to Aug.	138	83.2	46.5	95.8	363	..	14.5
1986-87: July to Aug.	126	81.4	42.0	83.4	332	..	21.5

(a) Prior to July 1984 includes bricks for other than structural purposes (including pavers). (b) See paragraph 6 of Explanatory Notes.

TERRACOTTA AND CONCRETE ROOFING TILES
('000 square metres)

Period	Flat surface measure (a)					
	N.S.W. and A.C.T.	Vic (472.15;475.32)	W.A.	Other States	Australia	
					Terracotta (472.15)	Concrete (475.32)
1983-84	6,331	4,947	2,476	4,520	2,727	15,547
1984-85	6,529	5,872	3,198	5,031	3,041	17,589
1985-86	7,036	6,097	3,460	4,710	3,222	18,082
1985—						
June	505	542	259	409	265	1,450
July	623	630	288	442	325	1,658
August	658	544	262	470	280	1,654
September	606	469	293	448	238	1,577
October	649	607	411	531	311	1,886
November	678	515	314	495	265	1,736
December	511	400	216	268	213	1,181
1986—						
January	286	251	187	179	167	735
February	599	542	270	400	295	1,517
March	618	479	266	382	263	1,482
April	588	531	340	376	304	1,530
May	627	605	341	399	282	1,689
June	593	527	274	320	278	1,436
July	611	495	255	378	327	1,411
August	466	467	247	329	312	1,196
1985-86: July to Aug.	1,281	1,174	550	912	605	3,312
1986-87: July to Aug.	1,077	961	501	707	640	2,607

(a) Refers to the theoretical effective coverage of the tiles if laid in an interlocking manner on a flat surface. For each type of tile, coverage is calculated using standard size lap and minimum head lap, without any provision for wastage.

PORTLAND CEMENT
(⁰000 tonnes)

CONCRETE PRODUCTS

Period	Original (474.02)	Seasonally adjusted (a)	Concrete blocks(b) (475.27)	Concrete box culverts (475.60)
			million	tonnes
1983-84	5,130	..	86.6	112,721
1984-85	5,659	..	96.7	128,019
1985-86	6,039	..	96.5	130,419
1985—				
June	480	470	8.30	12,897
July	514	492	9.32	11,731
August	594	552	9.23	9,810
September	523	523	9.02	7,726
October	570	543	9.01	9,104
November	517	476	8.66	9,538
December	457	473	6.23	8,186
1986—				
January	336	500	5.23	7,578
February	503	522	8.15	11,600
March	508	509	7.42	10,497
April	516	529	8.25	13,404
May	513	457	7.67	16,808
June	487	477	8.36	14,437
July	537	509	7.95	11,315
August	488	451	7.12	8,541
1985-86 : July to Aug.	1,108	..	18.6	21,541
1986-87 : July to Aug.	1,025	..	15.1	19,856

(a) See paragraph 6, Explanatory Notes. (b) Expressed in terms of 400 mm x 200 mm x 200 mm blocks.

READY MIXED CONCRETE(a)
(⁰000 cu. m)

Period	N.S.W.	Vic.	Qld	S.A. (475.90)	W.A.	Tas.	A.C.T.	N.T.	Australia
1983-84	3,544	2,547	2,962	976	953	188	256	179	11,605
1984-85	4,003	2,865	2,951	1,085	1,105	214	329	244	12,798
1985-86	4,587	3,049	3,138	1,092	1,350	282	406	217	14,123
1985—									
June	343	232	264	82.6	95.6	19.6	29.8	20.3	1,087
July	393	271	306	112.7	121.4	20.4	33.9	23.7	1,283
August	418	260	299	93.8	113.7	22.5	33.0	19.7	1,261
September	393	258	275	69.4	109.3	22.4	34.5	17.2	1,179
October	392	304	302	109.3	127.6	25.3	39.9	21.5	1,321
November	451	267	288	115.8	117.4	24.7	37.8	22.3	1,324
December	346	194	212	86.6	91.2	17.1	36.4	13.1	996
1986—									
January	263	187	214	62.4	95.1	17.3	14.0	10.3	860
February	389	261	250	89.4	118.9	24.5	37.2	17.0	1,187
March	395	243	232	91.0	103.2	25.3	36.4	15.0	1,140
April	365	252	251	88.1	117.1	28.2	30.9	17.8	1,151
May	400	293	259	89.8	123.0	28.0	38.0	19.5	1,250
June	382	258	249	83.9	112.4	26.5	34.1	20.5	1,167
July	428	246	257	70.5	126.0	21.8	34.6	20.4	1,205
August	320	294	249	73.1	105.5	24.8	34.1	23.5	1,124
1985-86: July to Aug.	812	531	606	206	235	42.9	66.9	43.4	2,543
1986-87: July to Aug.	749	540	506	143	232	46.6	68.7	43.9	2,329

(a) Reported production of ready mixed concrete for sale as such. Excludes production used, or for use, in the same establishment.

Period	PLASTER SHEETS (' 000 sq. metres)	MINERAL WOOL (tonnes)	SAWN TIMBER (' 000 cu. metres)
		Bonded mineral wool	Sawn Australian grown timber(a)
	Plaster sheets (479.32,33)	Glass (excl. sectional pipe insulation) (479.01)	
1983-84	60,401	15,901	2,679
1984-85	69,584	17,485	3,245
1985-86	76,249	19,420	3,020
1985—			
June	5,347	1,528	851
July	7,310	2,185	
August	6,465	1,581	
September	6,814	1,728	834
October	7,470	1,700	
November	7,055	1,749	
December	5,292	1,106	767
1986—			
January	4,625	1,284	
February	6,222	1,498	
March	6,623	1,454	663
April	6,336	1,633	
May	6,340	1,725	
June	5,698	1,777	756
July	6,607	1,887	
August	5,962	1,710	
1985-86 : July to Aug.	13,775	3,766	..
1987-87 : July to Aug.	12,568	3,597	..

(a) Source: Forestry Branch, Department of Primary Industry. Quarterly figures are expressed in terms of green off saw volumes.

LIGNOCELLULOSE AND DECORATIVE SURFACED BOARDS AND SHEETS

Period	Lignocellulose boards and sheets		Decorative surfaced boards and sheets(c)	Plastic building materials	
	Particle board resin bonded(a)			Decorative laminated —high pressure (425.01)	Profile sheet(d) (425.19)
	Original (336.12)	Seasonally adjusted(b)	On particle board (425.08)		
	— ' 000 cu.m.—			— ' 000 sq.m.—	
1983-84	664	..	10,512	4,546	2,306
1984-85	685	..	12,404	4,959	2,836
1985-86	730	..	14,757	5,161	3,261
1985—					
June	58.8	58.9	1,213	428	258
July	69.6	61.2	1,395	487	305
August	68.2	60.3	1,399	527	240
September	60.4	60.0	1,328	474	263
October	70.5	57.7	1,589	465	325
November	70.3	68.1	1,428	517	295
December	49.9	69.4	1,014	355	256
1986—					
January	32.3	80.5	535	130	205
February	68.7	65.6	1,470	482	299
March	68.2	62.6	1,313	447	261
April	65.9	61.7	1,145	392	297
May	52.9	49.3	1,082	505	251
June	53.3	53.3	1,060	379	263
July	62.9	53.0	1,253	482	289
August	53.7	50.5	1,271	480	244
1985-86 : July to Aug.	138	..	2,795	1,015	546
1986-87 : July to Aug.	117	..	2,524	962	534

(a) Original forming of boards and sheets including special compositions. Includes board and sheet for subsequent conversion to other purposes in the same establishment as well as for sale or transfer out. (b) See paragraph 6, Explanatory Notes. (c) Excludes decorative laminated sheets simply bonded by means of an adhesive to a substrate. (d) Corrugated, etc. (including fibre glass reinforced).

COMPLETE HOT WATER SYSTEMS(a)
(number)

Period	Electric		Gas		Solar (b) (654.28)
	Storage— displacement type				
	Full mains pressure (654.11)	Constant pressure (654.12)	Natural (654.24)	Other (654.25)	
1983-84	196,762	20,863	82,524	17,916	48,446
1984-85	224,403	16,912	91,386	21,536	45,347
1985-86	247,276	14,026	100,173	21,161	40,717
1985—					
June	21,802	1,407	n. p.	1,945	3,954
July	22,810	1,554	10,080	2,336	4,102
August	24,318	1,728	9,598	2,170	4,359
September	21,545	1,543	11,200	1,737	3,707
October	23,618	1,505	9,396	2,458	4,834
November	27,692	1,067	9,531	2,465	3,738
December	19,149	790	7,883	1,537	3,142
1986—					
January	1,529	414	1,467	573	2,048
February	25,725	1,007	11,942	2,415	3,259
March	19,834	910	8,955	1,488	2,280
April	20,086	1,022	5,824	1,384	3,510
May	21,229	1,216	6,471	873	3,297
June	19,741	1,270	7,824	1,725	2,441
July	19,586	1,342	8,959	1,575	3,182
August	22,175	1,395	10,839	1,887	2,346
1985-86 : July to Aug.	47,128	3,282	19,678	4,506	8,461
1986-87 : July to Aug.	41,761	2,737	19,798	3,462	5,528

(a) Both domestic and non-domestic up to 900 litres storage capacity. (b) Includes hot water systems that also have a conventional back up energy source.

COOKING STOVES, OVENS AND RANGES
(number)

Period	Domestic types—						Non-domestic types	
	Electric			Gas(h)			Total	Electric (661.19)
	Ranges(a) fixed and other (661.02)	Wall ovens (661.11)	Cooking tops (661.13)	Standard town (662.31)	Natural (662.34)	LP and TLP (662.26)		
1983-84	137,873	67,032	59,978	14,060	62,613	33,379	110,052	2,101
1984-85	134,287	86,322	73,129	11,704	72,005	34,066	117,775	2,640
1985-86	122,571	83,608	72,675	11,183	65,449	30,317	106,949	4,565
1985—								
June	10,054	7,253	5,704	1,103	6,038	2,546	9,687	187
July	13,693	7,448	7,710	1,036	8,354	3,307	12,697	455
August	12,434	8,460	6,972	1,229	7,132	3,331	11,692	379
September	13,292	7,781	7,243	1,016	6,825	3,151	10,992	392
October	14,047	8,568	7,463	1,522	6,358	3,788	11,668	349
November	12,845	8,470	6,106	1,249	5,450	3,030	9,729	395
December	8,455	6,749	4,979	976	4,445	2,228	7,649	383
1986—								
January	5,846	4,399	4,656	528	2,622	1,119	4,269	202
February	9,614	6,485	5,498	811	5,285	2,142	8,238	309
March	8,540	6,418	6,023	986	5,777	2,578	9,341	363
April	8,888	7,014	5,381	816	4,605	1,873	7,294	300
May	5,532	5,906	4,860	361	3,569	1,380	5,310	631
June	9,385	5,910	5,784	653	5,027	2,390	8,070	407
July	11,159	6,684	5,606	659	5,039	2,093	7,791	513
August	8,947	6,832	4,716	738	5,114	2,408	8,260	317
1985-86 : July to Aug.	26,127	15,908	14,682	2,265	15,486	6,638	24,389	834
1986-87 : July to Aug.	20,106	13,516	10,322	1,397	10,153	4,501	16,051	830

(a) Having at least one hotplate and one oven separately heated. Total rating not exceeding 15kW. (b) Gas stoves and ranges, upright or elevated (with oven) excludes cooking tops, hotplates, stovettes, etc.

SPACE HEATERS AND SOLAR COLLECTORS

Period	Space heaters(a)		Solar collectors(b) (654.84-87)
	Gas fired warm air furnaces (651.28,29)	Gas fires and gas space heaters — all types (651.15)	
	— number —		sq. m.
1983-84	21,148	69,205	218,592
1984-85	29,824	62,825	197,469
1985-86	28,686	69,356	188,682
1985—			
June	3,732	6,546	15,296
July	4,991	7,456	16,079
August	2,785	6,309	20,300
September	2,080	3,686	22,996
October	1,973	5,524	21,956
November	1,350	4,573	20,216
December	1,636	2,837	15,609
1986—			
January	899	1,643	8,913
February	2,410	4,157	14,746
March	2,355	7,409	12,824
April	2,526	9,914	12,904
May	2,594	9,430	12,903
June	3,087	6,418	9,236
July	3,385	4,399	14,489
August	2,627	3,176	15,055
1985-87 : July to Aug.	7,776	13,765	36,379
1986-87 : July to Aug.	6,012	7,575	29,544

(a) Includes both domestic and non-domestic types. (b) For household or industrial water heating purposes (e.g. hot water systems, swimming pool heating). Production figures relate to effective area of aperture.

PLUMBING FIXTURES AND FITTINGS
(number)

Period	Sinks (incl. combination sinks)	Laundry tubs	Earthenware		
	Pressed steel standard size— stainless(a) (480.91)	Pressed steel (enamelled, stainless or galvanised) (480.93)	Toilet cisterns(b) plastic (671.55)	Wash basins wall and pedestal (671.37)	Pans (closet) (671.41)
1983-84	263,085	198,188	453,578	212,066	491,097
1984-85	290,609	217,525	493,350	244,084	516,070
1985-86	268,430	188,481	456,950	255,066	538,943
1985—					
June	27,908	20,241	35,129	23,933	40,775
July	31,655	20,487	48,859	25,224	48,204
August	27,031	18,900	46,093	22,401	46,015
September	24,369	20,249	39,503	21,539	47,207
October	27,873	20,954	41,577	25,836	46,767
November	25,665	18,329	36,106	21,622	39,208
December	18,248	9,541	27,641	21,824	39,376
1986—					
January	8,177	6,654	25,464	10,772	25,556
February	22,815	14,455	43,706	21,751	46,032
March	19,264	11,430	30,448	20,834	46,540
April	20,732	14,133	40,419	21,832	52,773
May	22,608	17,649	34,164	19,625	50,554
June	19,993	15,700	42,970	21,806	50,711
July	24,050	n.p.	n.p.	21,371	55,963
August	19,531	n.p.	n.p.	18,432	51,638
1985-86 : July to Aug.	58,686	39,387	94,952	47,625	94,219
1986-87 : July to Aug.	43,581	n.p.	n.p.	39,803	107,601

(a) Excludes enamelled or galvanised sinks. (b) Excludes storage tanks for use with flusherette valves.