



PRODUCTION BULLETIN NO. 5: BUILDING MATERIALS AND FITTINGS AUSTRALIA, NOVEMBER 1985

PHONE INQUIRIES for more information about these statistics—contact Rod Martin on Canberra (062) 52 5558 or any of our State offices.

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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. Details of the methods used in seasonally adjusting these and other series are given in *Seasonally Adjusted Indicators, Australia* (1308.0).

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, 1983-84, Preliminary (8365.0)

Manufacturing Commodities: Principal Articles Produced, Australia, 1981-82 and 1982-83 (8303.0) (\$1.80, \$2.60 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.a. not available
.. not applicable
r revised since last issue

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

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Acting Australian Statistician

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BRICKS
(million)

Period	Clay							Concrete -standard size (475.21)
	For structural purposes							
	N.S.W. and A.C.T.(a)	Vic(a)	Qld(a) (471.91.93)	Other States(a)	Australia		For other purposes (incl. pavers) (471.98)	
					Original	Seasonally adjusted(b)		
1982-83	660	359	245	291	n.a.	..	n.a.	44.2
1983-84	677	401	248	447	1,702	..	71.1	51.4
1984-85	721	433	249	516	1,920	..	92.3	55.7
1984—								
September	57.4	33.2	20.6	43.0	154	156	10.7	4.8
October	66.8	43.2	24.7	45.2	180	164	10.1	6.0
November	62.5	37.0	24.3	45.3	169	159	10.4	5.1
December	51.9	28.6	15.6	38.5	135	155	7.2	3.9
1985—								
January	45.7	20.9	13.2	38.1	118	163	6.6	2.7
February	58.4	38.8	17.8	43.4	158	167	6.5	6.4
March	65.1	37.8	23.1	45.2	171	164	6.2	4.4
April	60.8	42.1	20.0	44.7	168	168	6.4	4.7
May	67.5	40.5	24.2	45.1	177	161	6.9	5.4
June	61.0	37.7	20.4	42.5	162	165	6.9	3.9
July	71.5	43.7	24.1	49.2	189	172	7.9	4.5
August	66.1	39.4	22.4	46.6	174	168	6.7	5.7
September	65.7	39.0	21.9	43.1	170	169	10.9	5.3
October	70.3	42.3	22.0	50.2	185	167	10.1	5.3
November	65.3	38.8	22.6	46.0	173	167	9.3	5.1
1984-85: July to Nov.								
	311	186	115	219	831	..	45.6	24.2
1985-86: July to Nov.								
	339	203	113	235	890	..	44.8	25.9

(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)
1982-83	5,556	3,959	2,171	3,440	2,787	12,340
1983-84	6,442	4,947	2,476	4,520	2,727	15,658
1984-85	16,823	5,872	3,198	5,031	3,041	17,822
1984—						
September	545	470	273	392	238	1,442
October	683	576	282	451	309	1,683
November	703	564	322	505	272	1,822
December	479	407	204	321	186	1,224
1985—						
January	2,288	231	218	201	154	7,784
February	582	521	270	435	267	1,541
March	666	526	280	495	265	1,702
April	523	362	246	372	273	1,230
May	588	624	297	495	291	1,713
June	505	542	259	409	265	1,450
July	604	630	288	442	306	1,658
August	658	544	262	470	280	1,654
September	606	469	293	448	238	1,577
October	649	607	411	527	311	1,882
November	678	515	314	448	265	1,689
1984-85: July to Nov.	3,192	2,658	1,424	2,303	1,340	8,237
1985-86: July to Nov.	3,195	2,764	1,567	2,334	1,400	8,460

(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 side lap and minimum head lap, without any provision for wastage.

PORTLAND CEMENT
(⁰⁰⁰ tonnes)

Period	Original (474.02)	Seasonally adjusted (a)
1982-83	5,076	..
1983-84	5,130	..
1984-85	5,659	..
1984—		
September	471	471
October	488	469
November	553	505
December	455	476
1985—		
January	330	493
February	444	461
March	477	457
April	447	467
May	529	476
June	480	470
July	508	486
August	589	548
September	517	517
October	564	537
November	517	476
1984-85: July to Nov.	2,496	..
1985-86: July to Nov.	2,695	..

CONCRETE PRODUCTS

Concrete blocks(b) (475.27)	Concrete box culverts (475.60)
million	tonnes
82.0	118,524
85.5	112,721
95.5	128,019
7.66	10,811
8.34	11,748
8.73	10,751
6.28	7,130
5.29	7,705
7.45	10,610
9.10	11,945
7.88	9,707
9.51	10,592
8.22	12,897
9.24	11,731
9.12	10,235
8.97	7,726
8.95	9,242
8.53	9,538
41.8	57,433
44.8	48,472

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

READY MIXED CONCRETE(a)
(⁰⁰⁰ cu. m)

Period	N.S.W.	Vic.	Qld	S.A. (475.90)	W.A.	Tas.	A.C.T.	N.T.	Australia
1982-83	3,572	2,279	2,886	833	931	208	194	153	11,056
1983-84	3,544	2,547	2,962	976	953	188	256	179	11,605
1984-85	3,961	2,865	2,951	1,087	1,102	214	329	244	12,754
1984—									
September	345	193	254	87.2	92.6	14.3	25.8	22.2	1,033
October	388	284	258	107.3	98.9	19.4	32.9	27.5	1,217
November	377	267	284	109.4	100.5	20.8	36.4	21.8	1,218
December	311	205	213	91.6	75.3	15.1	27.5	15.8	954
1985—									
January	235	163	203	66.3	77.8	14.4	11.2	16.6	787
February	315	255	217	94.1	86.6	18.8	32.6	17.7	1,037
March	343	262	245	102.0	90.6	20.6	27.5	20.4	1,111
April	261	236	228	86.3	89.4	18.8	18.0	18.9	956
May	352	292	269	98.1	116.0	22.6	35.9	24.2	1,210
June	339	232	264	84.6	95.3	19.6	29.8	20.3	1,085
July	397	270	306	105.4	121.0	20.4	33.9	29.7	1,284
August	417	260	299	93.8	113.3	22.5	33.0	25.0	1,264
September	389	258	275	69.4	108.9	22.4	34.5	23.0	1,180
October	391	304	302	109.3	127.2	25.3	39.9	27.4	1,326
November	450	267	288	115.8	116.9	24.7	37.8	22.3	1,332
1984-85: July to Nov.	1,804	1,221	1,312	464	471	84.3	147	111	5,614
1985-86: July to Nov.	2,044	1,359	1,470	494	587	115.4	179	127	6,376

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

Period	PLASTER SHEETS (¹ 000 sq. metres)	MINERAL WOOL (tonnes)	SAWN TIMBER (¹ 000 cu. metres)
		Bonded mineral wool	
	Plaster sheets (479.32.33)	Glass (excl. sectional pipe insulation) (479.01)	Sawn Australian grown timber(a)
1982-83	49,879	15,638	2,962
1983-84	60,401	15,901	2,679
1984-85	69,720	17,485	3,245
1984—			
September	5,879	1,437	857
October	6,910	1,398	
November	6,233	1,425	
December	4,868	1,459	828
1985—			
January	3,997	1,300	
February	5,786	1,430	
March	5,857	1,614	708
April	5,177	1,323	
May	7,140	1,547	
June	5,358	1,528	851
July	7,318	2,186	
August	6,478	1,581	
September	6,827	1,728	850
October	7,483	1,700	
November	7,066	1,749	
1984-85: July to Nov.	31,537	7,284	..
1985-86: July to Nov.	35,173	8,944	..

(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.—	
1982-83	583	..	7,646	3,611	1,982
1983-84	664	..	10,512	4,546	2,306
1984-85	685	..	11,355	4,959	2,836
1984—					
September	56.2	55.2	989	409	244
October	66.6	56.4	1,053	436	275
November	63.3	60.2	928	585	281
December	39.4	54.3	710	383	216
1985—					
January	22.9	55.6	386	107	124
February	60.2	56.6	1,044	372	263
March	64.1	60.4	1,053	472	250
April	58.9	60.0	896	381	224
May	69.8	61.1	1,154	497	285
June	58.8	58.1	1,066	428	258
July	69.6	61.2	1,395	487	r305
August	68.2	60.3	1,399	527	r240
September	60.4	60.0	1,328	474	r263
October	70.5	57.7	1,589	465	r325
November	70.3	68.1	1,428	517	295
1984-85: July to Nov.	311	..	5,046	2,319	1,216
1985-86: July to Nov.	339	..	7,139	2,470	1,429

(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)	
1982-83	176,840	21,220	69,488	19,806	43,754
1983-84	196,762	20,863	82,524	17,916	48,446
1984-85	224,403	16,013	91,386	21,536	45,219
1984—					
September	21,470	1,492	8,664	2,743	4,210
October	24,719	1,479	8,173	1,752	4,713
November	21,348	1,448	10,369	2,057	4,994
December	11,808	1,032	6,663	1,547	2,949
1985—					
January	1,541	765	1,684	560	2,181
February	21,581	1,369	8,634	1,849	3,944
March	20,632	1,360	7,499	2,314	3,589
April	16,826	1,039	n.p.	1,850	2,416
May	18,259	1,528	n.p.	1,822	3,665
June	21,802	1,341	n.p.	1,945	3,944
July	22,810	1,472	10,080	2,336	4,102
August	24,398	1,643	9,134	2,127	4,297
September	21,545	1,455	11,200	1,737	3,707
October	23,618	1,417	9,398	2,458	4,834
November	27,692	985	9,531	2,465	3,738
1984-85: July to Nov.	111,954	7,579	44,208	9,649	22,531
1985-86: July to Nov.	120,063	6,972	49,343	11,123	20,678

(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)

Cooking stoves, ovens and ranges—domestic types							
Period	Electric			Gas(b)			Total
	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)	
1982-83	110,526	50,123	49,163	17,514	53,430	27,305	98,249
1983-84	137,873	67,032	59,978	14,060	62,613	33,379	110,052
1984-85	134,287	86,322	73,129	11,704	72,005	34,066	117,775
1984—							
September	10,962	6,916	6,341	998	6,558	3,162	10,718
October	12,945	7,063	6,114	970	6,701	3,561	11,232
November	13,259	8,533	6,745	1,196	6,250	3,914	11,360
December	8,407	6,248	4,893	831	4,363	1,966	7,160
1985—							
January	6,934	4,202	3,408	418	2,521	1,123	4,062
February	10,892	7,478	6,500	1,182	6,401	2,931	10,514
March	11,652	7,663	6,460	1,182	6,136	2,679	9,997
April	10,647	6,736	6,222	779	5,039	2,901	8,719
May	12,992	8,055	6,784	1,095	7,118	3,030	11,243
June	10,054	7,253	5,704	1,103	6,038	2,546	9,687
July	13,693	7,448	7,710	1,036	8,354	3,307	12,697
August	12,434	8,460	6,972	1,229	7,132	3,331	11,692
September	13,292	7,781	7,243	1,016	6,825	3,151	10,992
October	14,047	8,568	7,463	1,522	6,358	3,788	11,668
November	12,845	8,470	6,106	1,249	5,450	3,030	9,729
1984-85: July to Nov.	62,709	38,687	33,158	5,114	34,389	16,890	56,393
1985-86: July to Nov.	66,311	40,727	35,494	6,052	34,119	16,607	56,778

(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.

COOKING STOVES—continued
 (number)

Period	Electric non-domestic cooking stoves ovens and ranges (661.19)
1982-83	2,847
1983-84	2,101
1984-85	2,640
1984—	
September	233
October	258
November	211
December	220
1985—	
January	115
February	191
March	291
April	237
May	263
June	187
July	455
August	179
September	392
October	349
November	395
1984-85: July to Nov.	1,136
1985-86: July to Nov.	1,970

SPACE HEATERS AND SOLAR COLLECTORS

Space heaters(a)		Solar collectors(b) (654.84-87)
Gas fired warm air furnaces (651.26,29)	Gas fires and gas space heaters —all types (651.15)	
— number —		sq. m.
1982-83	18,867	68,999
1983-84	21,148	69,205
1984-85	29,824	62,825
1984—		
September	1,911	1,928
October	1,679	3,954
November	1,360	4,279
December	1,559	3,364
1985—		
January	1,563	2,708
February	2,465	5,551
March	2,966	6,656
April	3,132	7,221
May	4,395	7,814
June	3,732	6,546
July	4,991	7,456
August	2,785	6,309
September	2,080	3,686
October	1,973	5,524
November	1,350	4,573
1984-85: July to Nov.	10,012	22,965
1985-86: July to Nov.	13,129	27,548

(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) (481.91)	Pressed steel (enamelled, stainless or galvanised) (481.93)	Toilet cisterns(b) plastic (671.55)	Wash basins wall and pedestal (671.37)
1982-83	210,153	152,364	422,977	202,425
1983-84	263,085	198,188	453,578	212,066
1984-85	290,609	217,525	493,350	244,084
1984—				
September	25,479	18,176	40,653	18,597
October	28,884	23,463	53,532	24,008
November	28,196	22,201	41,581	18,053
December	18,054	16,631	33,604	17,707
1985—				
January	8,166	6,504	32,897	9,567
February	24,424	15,920	42,412	21,883
March	21,896	21,310	44,937	24,452
April	19,131	13,654	35,251	19,961
May	30,488	22,185	38,927	27,663
June	27,908	20,241	35,129	23,933
July	31,655	20,487	48,859	25,224
August	27,031	18,900	46,093	22,401
September	24,369	20,249	39,503	21,539
October	27,873	20,954	41,577	25,836
November	25,665	18,329	36,106	21,622
1984-85: July to Nov.	140,542	101,080	230,193	98,918
1985-86: July to Nov.	136,593	98,919	212,138	116,622

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