



PRODUCTION BULLETIN NO. 5 : BUILDING MATERIALS AND FITTINGS AUSTRALIA, OCTOBER 1984

PHONE INQUIRIES *for more information about these statistics*—contact Sue Gumprich 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 Commodity Codes of the Commodity Classification used in Australian manufacturing statistics. However, in cases where data are derived from sources other than ABS collections no commodity code is shown. Furthermore, combinations of commodities are 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. Production statistics collected by the ABS exclude production by single establishment manufacturing enterprises employing less than four persons 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 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, Parts and Accessories, Australia (8363.0)—issued quarterly

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

Manufacturing Commodities Selected Principal Articles Produced, Australia, 1982-83, Preliminary, (8365.0)

Manufacturing Commodities, Principal Articles Produced, Australia, 1980-81 and 1981-82 (8303.0) (\$1.70, \$2.40 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)

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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)	W.A.(a) (471.91.93)	Other States(a)	Australia		For other purposes (incl. pavers) (471.98)	
						Original	Seasonally adjusted(b)		
1981-82	885	445	376	392	136	n.a.	..	n.a.	(c)53.3
1982-83	660	359	245	277	114	n.a.	..	n.a.	44.2
1983-84	677	401	248	301	145	1,702	..	71.1	51.4
1983—									
August	59.5	33.1	21.6	21.3	13.2	142	131	6.4	4.5
September	58.7	32.7	20.6	23.0	12.0	141	134	6.2	4.0
October	59.2	33.7	20.9	22.5	11.4	141	139	7.2	4.5
November	59.5	34.5	23.0	24.4	13.2	147	136	7.2	3.9
December	51.3	27.0	17.7	26.6	7.7	125	139	5.5	3.8
1984—									
January	37.0	20.8	11.1	21.4	4.0	91	130	3.3	2.4
February	55.5	37.3	23.3	24.6	13.1	149	150	5.2	5.5
March	60.4	38.0	24.3	27.7	15.1	160	150	5.8	4.9
April	55.0	35.3	19.9	26.8	13.2	145	152	5.2	3.9
May	65.2	37.8	25.2	30.4	16.4	168	152	6.9	6.0
June	61.0	38.1	22.1	28.8	13.9	156	152	7.6	4.0
July	63.2	33.9	22.4	27.1	16.5	163	154	5.9	4.7
August	61.2	39.2	23.1	28.0	13.9	165	154	6.4	3.6
September	57.4	33.2	20.6	28.0	14.9	154	156	9.5	4.8
October	66.8	43.2	24.7	30.1	15.1	180	164	8.6	6.0
1983-84 : July to Oct.	232	133	81.7	90.7	48.4	561	..	24.2	17.0
1984-85 : July to Oct.	249	149	90.7	113.2	60.4	662	..	30.4	19.1

TERRACOTTA AND CONCRETE ROOFING TILES
(' 000 square metres)

Period	Flat surface measure (d)					
	N.S.W. and A.C.T.	Vic (472.15,475.32)	W.A.	Other States	Australia	
					Terracotta (472.15)	Concrete (475.32)
1981-82	7,261	4,798	2,816	4,253	3,780	15,348
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
1983—						
August	578	433	187	341	258	1,280
September	565	386	185	372	192	1,316
October	545	406	192	353	225	1,269
November	615	438	239	420	231	1,481
December	438	332	180	332	196	1,085
1984—						
January	222	202	148	152	145	579
February	663	493	216	383	254	1,502
March	619	467	243	503	243	1,589
April	470	377	210	360	212	1,204
May	592	542	295	512	282	1,659
June	609	477	226	465	249	1,530
July	602	540	270	487	279	1,620
August	658	508	259	468	242	1,652
September	545	470	262	392	238	1,432
October	683	576	311	451	309	1,711
1983-84 : July to Oct.	2,215	1,619	719	1,392	916	5,029
1984-85 : July to Oct.	2,489	2,094	1,102	1,798	1,068	6,415

(a) Prior to July 1984 includes bricks for other than structural purposes (including pavers). (b) See paragraph 6 of Explanatory notes. (c) Prior to July 1982 includes non-standard size. (d) 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)

<i>Period</i>	<i>Original (474.02)</i>	<i>Seasonally adjusted (a)</i>
1981-82	6,086	..
1982-83	5,076	..
1983-84	5,130	..
<i>1983—</i>		
August	419	401
September	450	440
October	433	417
November	446	424
December	434	438
<i>1984—</i>		
January	244	369
February	451	454
March	471	442
April	408	427
May	503	459
June	462	446
July	482	453
August	503	475
September	471	472
October	488	470
1983-84 : July to Oct.	1,712	..
1984-85 : July to Oct.	1,944	..

CONCRETE PRODUCTS

<i>Concrete blocks(b) (475.02)</i>	<i>Concrete box culverts (475.60)</i>
million	tonnes
97.0	119,188
82.0	118,524
85.5	112,721
<i>1983—</i>	
August	7,40
September	7,76
October	7,20
November	8,21
December	6,15
<i>1984—</i>	
January	4,01
February	7,30
March	7,95
April	6,52
May	8,73
June	7,82
July	8,36
August	8,53
September	7,60
October	8,22
1983-84 : July to Oct.	28,8
1984-85 : July to Oct.	32,7

READY MIXED CONCRETE(c)
(' 000 cu. m)

	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A. (475.90)</i>	<i>W.A.</i>	<i>Tas.</i>	<i>A.C.T.</i>	<i>N.T.</i>	<i>Australia</i>
1981-82	4,518	2,708	3,586	859	1,246	227	179	157	13,481
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
<i>1983—</i>									
August	340	209	256	78.8	82.2	16.2	24.7	14.5	1,021
September	324	190	267	78.0	79.2	16.0	22.1	15.3	991
October	249	206	255	84.4	78.8	12.6	19.4	16.1	922
November	320	215	265	91.8	88.3	18.0	22.2	14.5	1,035
December	267	207	227	76.7	77.4	16.0	16.1	13.3	900
<i>1984—</i>									
January	186	131	192	53.6	57.7	9.4	8.8	9.0	648
February	275	230	251	87.2	81.5	9.2	24.1	8.7	967
March	331	232	279	93.1	84.2	21.3	23.6	14.9	1,079
April	268	200	199	79.1	69.4	17.3	20.4	17.1	871
May	359	289	277	95.8	90.9	19.3	26.8	22.8	1,181
June	325	253	251	92.1	89.6	16.6	25.2	18.6	1,071
July	287	231	223	77.7	87.2	15.0	23.9	15.2	959
August	407	245	294	82.2	91.7	14.8	27.9	20.7	1,184
September	345	193	254	87.2	92.6	14.3	25.8	20.2	1,031
October	388	284	258	107.1	98.9	19.4	32.9	25.7	1,215
1983-84 : July to Oct.	1,213	789	1,020	307	313	60.7	88.6	60.6	3,853
1984-85 : July to Oct.	1,427	953	1,028	354	370	63.5	110.4	81.9	4,389

(a) See paragraph 6 of Explanatory notes. (b) Expressed in terms of 400 mm x 200 mm x 200 mm blocks. (c) 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) (331.01-19)
1981-82	60,060	15,854	3,219
1982-83	49,879	15,638	2,962
1983-84	60,401	15,901	2,679
1983—			
August	5,361	1,430	701
September	4,484	1,614	
October	4,785	1,403	
November	6,287	1,477	679
December	4,316	1,222	
1984—			
January	2,797	786	
February	6,216	1,245	602
March	5,487	1,428	
April	4,224	1,040	
May	6,278	1,403	697
June	5,708	1,424	
July	5,830	1,465	
August	6,684	1,559	
September	5,879	1,437	826
October	6,910	1,398	
1983-84 : July to Oct.	19,088	5,876	..
1984-85 : July to Oct.	25,304	5,859	..

LIGNOCELLULOSE AND DECORATIVE SURFACED BOARDS AND SHEETS

Period	Lignocellulose boards and sheets(b)		Decorative surfaced boards and sheets(d)	Plastic building materials	
	Particle board resin bonded(b)			Decorative laminated —high pressure (425.01)	Profile sheet(e) (425.19)
	Original (336.12)	Seasonally adjusted(c)			
	— '000 cu.m.—			— '000 sq.m.—	
1981-82	678	..	8,849	(14,354	2,506
1982-83	566	..	7,646	3,611	1,982
1983-84	662	..	8,880	7,602	2,306
1983—					
August	61.5	51.3	764	483	205
September	56.7	54.4	828	566	237
October	59.8	55.1	833	642	198
November	64.7	57.6	929	795	254
December	40.4	54.9	618	713	193
1984—					
January	21.4	58.1	313	459	155
February	62.3	52.7	840	645	197
March	59.8	54.1	831	941	200
April	54.7	56.0	656	420	135
May	67.2	57.8	823	747	210
June	61.3	61.5	799	424	142
July	61.8	58.7	816	850	167
August	63.1	52.1	917	754	237
September	56.2	55.2	834	662	237
October	66.6	56.4	861	818	268
1983-84 : July to Oct.	230	..	3,070	2,158	820
1984-85 : July to Oct.	248	..	3,429	3,084	910

(a) Source: Forestry Branch, Department of Primary Industry. Quarterly figures are expressed in terms of green off saw volumes. (b) 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. (c) See paragraph 6 of Explanatory notes. (d) Excludes decorative laminated sheets simply bonded by means of an adhesive to a substrate. (e) Corrugated, etc. (including fibre glass reinforced). (f) From July 1982 excludes low pressure type.

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)	
1981-82	206,734	21,338	62,135	18,976	48,806
1982-83	176,840	21,220	69,488	19,806	43,754
1983-84	196,762	20,863	82,524	17,916	48,446
1983—					
August	16,872	2,558	8,667	1,764	6,019
September	18,906	2,110	8,294	1,846	5,864
October	19,600	2,058	7,280	n.p.	4,262
November	21,810	1,696	7,386	n.p.	4,990
December	15,158	1,475	5,201	n.p.	3,247
1984—					
January	2,461	1,032	1,477	n.p.	2,727
February	19,525	1,581	8,683	n.p.	4,453
March	18,068	1,534	8,063	n.p.	3,672
April	14,639	1,349	5,496	1,308	2,165
May	14,321	1,725	6,736	1,921	4,019
June	20,853	1,464	6,631	1,238	3,353
July	20,008	1,536	7,188	1,820	4,156
August	24,409	1,624	9,814	1,277	4,458
September	21,470	1,492	8,664	2,743	4,210
October	24,719	1,479	8,173	1,752	4,713
1983-84 : July to Oct.	69,927	9,007	32,851	n.p.	19,820
1984-85 : July to Oct.	90,606	6,131	33,839	7,592	17,537

COOKING STOVES, OVENS AND RANGES
(number)

Cooking stoves, ovens and ranges—domestic types

Period	Electric			Gas(d)			Total
	Ranges(c) 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)	
1981-82	148,453	(e)95,342	73,687	(f)18,691	(f)62,254	(f)30,465	(f)111,410
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
1983—							
August	11,569	5,779	4,477	1,227	6,086	3,086	10,399
September	13,183	5,479	4,752	1,402	6,438	2,761	10,601
October	12,427	5,526	4,973	976	3,986	4,223	9,185
November	11,140	7,145	5,383	1,594	5,498	3,570	10,662
December	10,537	3,705	4,688	1,137	4,472	2,868	8,477
1984—							
January	5,942	2,029	2,080	305	1,692	852	2,849
February	12,568	6,345	5,704	1,433	6,280	2,355	10,068
March	13,635	6,620	6,061	1,472	3,509	2,598	9,579
April	11,247	5,992	5,096	1,245	4,011	2,463	7,719
May	11,624	6,397	6,333	1,231	7,852	3,580	12,663
June	11,544	6,719	5,794	789	5,808	2,630	9,227
July	11,784	8,013	7,040	690	7,113	2,932	10,735
August	13,759	8,162	6,918	1,260	7,767	3,321	12,348
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
1983-84 : July to Oct.	49,636	22,080	18,839	4,854	21,491	12,463	38,808
1984-85 : July to Oct.	49,450	30,154	26,413	3,918	28,139	12,976	45,033

(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. (c) Having at least one hotplate and one oven separately heated. Total rating not exceeding 15kw. (d) Gas stoves and ranges, upright or elevated (with oven) excludes cooking tops, hotplates, stovetops, etc. (e) Prior to July 1982 includes grill boilers. (f) Prior to July 1982 includes wall ovens.

COOKING STOVES—continued
 (number)

Period	Non-domestic cooking stoves ovens and ranges	
	Electric (661.19)	Gas (662.49)
1981-82	3,860	3,150
1982-83	2,847	2,232
1983-84	2,101	n.p.
1983—		
August	173	n.p.
September	170	n.p.
October	150	n.p.
November	197	n.p.
December	141	n.p.
1984—		
January	56	n.p.
February	115	n.p.
March	235	n.p.
April	204	n.p.
May	241	n.p.
June	248	n.p.
July	187	n.p.
August	247	n.p.
September	233	n.p.
October	258	n.p.
1983-84 : July to Oct.	664	n.p.
1984-85 : July to Oct.	925	n.p.

SPACE HEATERS AND SOLAR COLLECTORS

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.
20,516	51,512	196,705
18,867	68,999	198,476
21,148	69,205	218,592
1983—		
August	3,088	28,055
September	1,504	24,799
October	1,348	21,715
November	1,140	22,716
December	845	15,202
1984—		
January	336	11,920
February	1,165	19,196
March	1,783	16,410
April	2,084	8,839
May	3,104	17,040
June	2,674	15,902
July	2,868	18,308
August	2,194	19,254
September	1,911	16,784
October	1,679	22,669
1983-84 : July to Oct.	8,017	91,367
1984-85 : July to Oct.	8,652	77,215

PLUMBING FIXTURES AND FITTINGS
 (number)

Period	Sinks (incl. combination sinks)	Laundry tubs	Earthenware	
	Pressed steel standard size— stainless(c) (671.14)	Pressed steel (enamelled, stainless or galvanised) (671.22)	Toilet cisterns(d) plastic (671.55)	Wash basins wall and pedestal (671.37)
1981-82	(e)258,335	(f)182,805	519,734	276,620
1982-83	210,153	152,364	422,977	202,425
1983-84	263,085	198,188	453,578	212,066
1983—				
August	22,183	16,076	44,506	20,684
September	22,230	17,856	41,263	16,970
October	21,071	16,350	40,358	16,913
November	23,287	19,342	43,703	20,041
December	18,841	15,037	n.p.	10,727
1984—				
January	6,499	3,998	n.p.	7,356
February	26,364	18,991	35,380	17,199
March	23,642	22,317	36,972	22,316
April	22,156	18,275	34,141	18,403
May	31,525	18,643	54,480	22,097
June	25,685	16,176	35,485	21,434
July	28,391	19,161	49,559	20,181
August	29,592	18,079	44,868	18,079
September	25,479	18,176	40,653	18,597
October	28,884	23,463	53,532	24,008
1983-84 : July to Oct.	85,086	65,409	164,588	72,493
1984-85 : July to Oct.	112,346	78,879	188,612	80,865

(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. (c) Excludes enamelled or galvanised sinks. (d) Excludes storage tanks for use with flusherette valves. (e) Prior to July 1982 includes enamelled sinks. (f) Prior to July 1982 comprises stainless steel laundry tubs only.