



PRODUCTION BULLETIN NO. 5 : BUILDING MATERIALS AND FITTINGS AUSTRALIA, SEPTEMBER 1987

- PHONE INQUIRIES • *about these statistics*—contact Bohdan Stankewytch-Janusch on Canberra (062) 52 5558 or any ABS State office.
• *about other statistics and ABS services*—contact Information Services on Canberra (062) 52 6007, 52 6627, 52 5402 or any ABS State office.
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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 Trained 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, 1983-84 and 1984-85 (8303.0)

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)
r revised since previous issue

IAN CASTLES
Australian Statistician

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BRICKS
(million)

Period	Clay						
	For structural purposes						
	N.S.W. and A.C.T.	Vic	Qld (471.91.93)	Other States	Australia		Concrete -standard size (475.21)
					Original	Seasonally adjusted(a)	
1984-85	721	433	249	516	1,920	..	55.7
1985-86	742	447	251	540	1,980	..	54.7
1986-87	699	447	214	479	1,838	..	50.3
1986—							
July	63.7	42.4	22.8	44.3	173	156	4.3
August	61.4	39.0	19.2	39.1	159	156	4.6
September	67.5	43.1	18.9	41.2	171	158	4.5
October	62.1	37.8	20.1	41.7	162	148	4.0
November	56.5	34.7	16.4	36.7	144	147	5.8
December	50.7	32.7	14.2	36.3	134	149	3.8
1987—							
January	34.7	20.8	9.9	33.5	99	148	2.0
February	52.1	36.2	16.3	38.1	143	150	4.6
March	63.1	44.2	20.7	43.5	171	157	3.3
April	59.1	36.7	16.8	39.6	152	153	4.8
May	60.5	38.4	18.5	42.8	160	153	4.3
June	67.4	40.8	19.8	42.2	170	159	4.3
July	64.7	38.6	18.0	40.2	161	145	5.9
August	58.9	37.0	19.7	39.2	155	154	5.1
September	63.9	37.5	23.2	42.2	167	154	5.2
1986-87: July to Sept.	193	125	61.0	125	503	..	13.3
1987-88: July to Sept.	187	113	60.9	122	483	..	16.2

(a) 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)
1984-85	6,529	5,872	3,198	5,031	3,041	17,589
1985-86	7,036	6,097	3,386	4,710	3,222	18,008
1986-87	5,685	5,263	2,972	3,756	3,285	14,391
1986—						
July	611	495	255	378	327	1,411
August	466	467	247	329	312	1,196
September	550	472	277	285	306	1,279
October	505	509	298	390	277	1,425
November	468	435	257	355	234	1,282
December	389	345	223	226	159	1,024
1987—						
January	163	203	191	126	115	568
February	432	431	227	335	211	1,215
March	530	496	264	348	336	1,302
April	450	424	212	314	313	1,086
May	529	483	279	325	337	1,279
June	591	503	242	347	357	1,324
July	530	508	277	374	306	1,383
August	487	436	322	316	340	1,220
September	458	464	295	372	271	1,318
1986-87: July to Sept.	1,627	1,434	778	992	945	3,885
1987-88: July to Sept.	1,475	1,407	894	1,062	918	3,921

(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)

CONCRETE PRODUCTS

Period	Original (474.02)	Seasonally adjusted (a)	Concrete blocks(b) (475.27)		Concrete box culverts (475.60)	
			million	tonnes	million	tonnes
1984-85	5,659	..	96.7	128,099	..	..
1985-86	6,048	..	96.2	130,425	..	..
1986-87	5,847	..	91.5	100,623	..	..
1986—						
July	537	499	8.03	11,315	..	..
August	488	470	7.17	8,541	..	..
September	511	490	8.38	7,974	..	..
October	534	491	9.69	8,053	..	..
November	516	493	7.68	7,411	..	..
December	479	500	7.72	5,291	..	..
1987—						
January	347	506	6.49	4,732	..	..
February	482	493	7.19	9,779	..	..
March	504	489	8.32	10,777	..	..
April	487	499	6.94	8,640	..	..
May	496	474	6.89	9,823	..	..
June	468	463	7.00	8,287	..	..
July	500	466	8.15	7,209	..	..
August	479	464	8.00	6,461	..	..
September	504	481	8.68	6,417	..	..
1986-87 : July to Sept.	1,536	..	23.6	27,830	..	..
1987-88 : July to Sept.	1,483	..	24.8	20,087	..	..

(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
1984-85	4,003	2,956	2,951	1,090	1,105	214	329	244	12,894
1985-86	4,587	3,061	3,138	1,092	1,354	282	406	211	14,132
1986-87	4,492	3,151	3,001	954	1,265	248	389	189	13,689
1986—									
July	431	247	257	70.5	126.0	21.8	34.6	20.4	1,209
August	344	296	249	73.1	105.5	24.8	34.1	23.5	1,150
September	406	269	277	81.2	108.5	22.0	36.4	19.0	1,219
October	418	292	287	88.9	126.0	21.5	26.0	22.1	1,281
November	351	279	276	90.1	111.1	21.0	43.7	19.4	1,191
December	382	236	212	81.6	97.9	12.1	37.2	14.2	1,073
1987—									
January	276	189	196	57.2	73.8	14.1	16.3	9.0	831
February	371	277	246	78.4	106.0	21.1	32.4	10.6	1,142
March	368	296	258	89.9	105.9	21.6	34.1	12.4	1,187
April	386	203	237	83.7	95.6	20.0	33.7	11.4	1,070
May	412	289	246	80.7	111.9	24.0	32.4	12.9	1,209
June	347	280	259	79.2	97.1	23.9	28.2	13.8	1,128
July	409	298	293	81.4	110.5	24.2	35.0	12.8	1,264
August	r343	r299	r273	83.6	107.3	26.0	30.8	12.5	1,175
September	484	307	332	88.4	110.9	27.8	40.7	14.4	1,405
1986-87: July to Sept.	1,181	811	783	225	340	68.5	105	62.9	3,577
1987-88: July to Sept.	1,235	904	897	254	329	78.0	107	39.8	3,843

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

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)			
	—' 000 cu. m.—			—' 000 sq. m.—	
1984-85	685	..	12,404	4,959	2,836
1985-86	731	..	14,757	5,161	3,261
1986-87	705	..	15,263	4,905	3,270
1986—					
July	62.9	53.7	1,253	482	289
August	53.7	51.9	1,271	480	244
September	53.9	53.4	1,261	417	234
October	63.2	54.4	1,453	510	300
November	63.4	58.6	1,309	450	312
December	48.8	61.3	1,199	295	223
1987—					
January	28.1	72.6	458	154	215
February	60.2	56.6	1,476	472	299
March	72.3	64.6	1,526	427	298
April	73.2	65.0	1,498	388	198
May	65.5	63.8	1,378	445	318
June	60.2	61.5	1,182	386	339
July	65.1	56.9	1,397	509	245
August	64.2	61.0	1,321	473	287
September	68.7	63.6	1,547	486	296
1986-87 : July to Sept.	170	..	3,786	1,379	768
1987-88 : July to Sept.	198	..	4,265	1,468	828

(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).

Period	MINERAL WOOL (tonnes)	SAWN TIMBER (' 000 cu. metres)
	Bonded mineral wool	
	Glass (excl. sectional pipe insulation) (479.01)	Sawn Australian grown timber(a)
1984-85	17,494	3,245
1985-86	19,420	3,017
1986-87	19,030	2,947
1986—		
July	1,887	
August	1,710	
September	1,657	788
October	1,867	
November	1,686	
December	1,063	760
1987—		
January	1,176	
February	1,561	647
March	1,461	
April	1,281	
May	1,734	752
June	1,947	
July	2,140	
August	1,708	743
September	1,963	
1986-87 : July to Sept.	5,254	..
1987-88 : July to Sept.	5,811	..

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

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)	
1984-85	224,403	16,912	91,386	21,536	45,347
1985-86	247,276	13,908	100,173	21,161	40,802
1986-87	236,821	12,940	116,703	20,832	29,283
1986—					
July	19,586	1,342	8,959	1,575	3,182
August	22,175	1,395	10,839	1,887	2,346
September	20,867	1,277	12,507	2,234	2,749
October	24,688	1,135	11,189	1,898	2,699
November	22,105	1,088	11,269	2,035	2,684
December	18,846	964	7,849	2,005	2,251
1987—					
January	3,189	515	1,172	363	1,337
February	21,480	1,047	11,066	2,537	2,744
March	24,741	1,096	11,335	1,470	2,760
April	18,372	911	10,682	1,226	2,333
May	16,885	996	7,698	1,128	2,008
June	23,887	1,174	12,138	2,474	2,190
July	21,893	1,394	10,427	1,642	2,777
August	20,263	1,157	11,547	1,688	3,615
September	23,178	1,128	11,741	1,573	3,567
1986-87 : July to Sept.	62,628	4,014	32,305	5,696	8,277
1987-88 : July to Sept.	65,334	3,679	33,715	4,903	9,959

(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(b)		Total	Electric (661.19)
	Ranges(a) fixed and other (661.02)	Wall ovens (661.11)	Cooking tops (661.13)	Standard town (662.31)	L.P. and TLP (662.26)	Natural (662.34)	
1984-85	134,287	86,322	73,129	11,704	34,066	72,005	2,640
1985-86	122,551	83,608	72,675	11,183	30,317	65,449	4,565
1986-87	106,095	76,024	59,108	8,064	26,267	58,410	4,460
1986—							
July	11,159	6,684	5,606	659	2,093	5,039	513
August	8,947	6,832	4,716	738	2,408	5,114	317
September	11,225	7,004	6,510	715	2,649	5,148	420
October	12,195	7,791	6,549	791	3,340	6,033	415
November	9,932	7,191	4,739	661	2,365	5,106	350
December	9,035	6,922	5,485	714	2,632	5,096	357
1987—							
January	5,241	2,685	1,703	191	778	1,481	119
February	8,181	5,819	4,340	560	2,032	3,931	382
March	8,494	6,936	4,667		2,277	4,623	388
April	7,425	5,863	5,112		3,088	5,036	346
May	5,896	4,905	4,285		2,113	4,197	435
June	8,365	7,392	5,396		3,527	7,606	418
July	9,330	6,622	5,433	834	3,070	6,488	549
August	9,845	6,368	5,273	811	2,675	6,465	403
September	12,233	7,720	5,806	749	2,620	6,726	483
1986-87 : July to Sept.	31,331	20,520	16,832	2,112	7,150	15,301	1,250
1987-88 : July to Sept.	31,408	20,710	16,512	2,394	8,365	19,679	1,435

(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.
1984-85	29,824	62,825	197,469
1985-86	28,686	69,361	188,681
1986-87	26,351	59,226	169,421
1986—			
July	3,385	4,399	14,489
August	2,627	3,176	15,055
September	1,979	2,678	16,046
October	1,726	2,637	19,904
November	1,528	2,320	18,146
December	1,430	3,025	13,605
1987—			
January	1,016	2,010	8,948
February	1,074	6,734	13,857
March	2,583	6,226	14,140
April	2,204	6,859	10,319
May	3,235	9,656	10,572
June	3,564	9,506	14,340
July	4,198	8,667	13,900
August	2,756	6,600	16,654
September	2,556	5,229	18,280
1986-87 : July to Sept.	7,991	10,253	45,590
1987-88 : July to Sept.	9,510	20,496	48,834

(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)	Ceramic products	
	Pressed steel standard size— stainless(a) (480.91)	Wash basins wall and pedestal (671.37)	Pans (closet) (671.41)
1984-85	290,609	244,084	516,070
1985-86	268,425	255,066	538,918
1986-87	240,190	223,935	565,960
1986—			
July	24,050	21,371	55,963
August	19,531	18,432	51,638
September	23,767	18,424	52,363
October	25,600	23,636	57,383
November	23,986	20,362	48,493
December	19,799	15,393	37,599
1987—			
January	5,238	9,357	22,979
February	21,237	21,743	46,749
March	21,407	22,439	49,532
April	17,180	20,503	47,040
May	20,422	16,296	53,250
June	17,973	15,679	42,971
July	20,642	24,282	57,439
August	18,443	22,433	49,866
September	25,338	27,652	50,224
1986-87 : July to Sept.	67,348	58,227	159,964
1987-88 : July to Sept.	64,423	74,367	157,529

(a) Excludes enamelled or galvanised sinks.