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

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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)

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)	Qld(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	742	447	251	540	1,980	..	117.8
1986—							
January	39.0	23.8	16.1	37.6	117	163	8.9
February	60.0	37.2	20.0	42.3	160	168	9.5
March	61.8	34.8	20.7	48.7	166	169	10.3
April	62.6	40.9	21.9	43.6	169	158	11.9
May	66.6	37.3	20.4	47.7	172	161	10.9
June	60.5	36.7	21.7	42.7	162	162	8.0
July	63.7	42.4	22.8	44.3	173	157	11.6
August	61.4	39.0	19.2	39.1	159	158	10.4
September	67.5	43.1	18.9	41.2	171	162	13.8
October	62.1	37.8	20.1	41.7	162	147	13.0
November	56.5	34.7	16.4	36.7	144	145	17.0
December	50.7	32.7	14.2	36.3	134	146	12.0
1987—							
January	34.7	20.8	9.9	33.5	99	142	8.7
February	52.1	36.2	16.3	38.1	143	149	10.9
March	63.1	44.2	20.7	43.5	171	158	14.0
1985-86: July to Mar.	552	332	187	406	1,477	..	87.0
1986-87: July to Mar.	512	331	159	354	1,356	..	111.3

(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	2,404	4,520	2,727	15,475
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—						
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
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
1985-86: July to Mar.	5,229	4,435	2,431	3,614	2,358	13,352
1986-87: July to Mar.	4,116	3,853	2,239	2,771	2,278	10,701

(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)	Concrete box culverts
			(475.27) million	(475.60) tonnes
1983-84	5,080	..	86.6	112,493
1984-85	5,659	..	96.7	128,099
1985-86	6,049	..	96.2	130,425
1986—				
January	336	500	5.22	7,578
February	503	522	8.14	11,600
March	508	509	7.42	10,497
April	516	529	8.24	13,404
May	513	457	7.66	16,808
June	487	509	8.36	14,437
July	537	451	7.96	11,315
August	488	494	7.12	8,541
September	511	495	8.30	7,974
October	534	495	9.67	8,053
November	516	489	7.67	7,411
December	479	501	7.70	5,291
1987—				
January	347	511	6.46	4,732
February	482	496	7.16	9,779
March	504	483	8.24	10,777
1985-86 : July to Mar.	4,533	..	71.9	85,776
1986-87 : July to Mar.	4,397	..	70.3	73,873

(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
1983-84	3,544	2,547	2,962	976	922	188	256	182	11,577
1984-85	4,003	2,865	2,951	1,090	1,105	214	329	244	12,803
1985-86	4,587	3,051	3,138	1,092	1,354	282	406	211	14,122
1986—									
January	263	187	214	62.4	95.1	17.3	14.0	10.3	863
February	389	262	250	89.4	118.9	24.5	37.2	15.2	1,186
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	431	246	257	70.5	126.0	21.8	34.6	20.4	1,208
August	344	295	249	73.1	105.5	24.8	34.1	23.5	1,149
September	406	268	277	81.2	108.5	22.0	36.4	19.0	1,218
October	418	291	287	88.9	126.0	21.5	26.0	22.1	1,280
November	351	278	276	90.1	111.1	21.0	43.7	19.4	1,190
December	382	236	212	81.6	97.9	12.1	37.2	14.2	1,073
1987—									
January	276	188	196	57.2	73.8	14.1	16.3	9.0	831
February	371	268	246	78.4	106.0	21.1	32.4	10.6	1,134
March	368	295	258	89.9	105.9	21.6	34.1	12.4	1,185
1985-86: July to Mar.	3,441	2,247	2,378	830	1,002	199	303	153	10,554
1986-87: July to Mar.	3,348	2,365	2,258	711	961	180	295	151	10,268

(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	
	Plaster sheets (479.32.33)	Glass (excl. sectional pipe insulation) (479.01)	Sawn Australian grown timber(a)
1983-84	60,414	15,901	2,679
1984-85	69,584	17,485	3,245
1985-86	76,249	19,420	3,017
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	754
July	6,607	1,887	
August	5,962	1,710	
September	5,780	1,657	788
October	7,954	1,867	
November	6,724	1,686	
December	5,489	1,063	760
1987—			
January	4,367	1,176	
February	4,719	1,561	647
March	5,606	1,529	
1985-86 : July to Mar.	57,875	14,285	2,264
1986-87 : July to Mar.	53,207	14,136	2,195

(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	..	8,997	4,546	2,306
1984-85	685	..	12,404	4,959	2,836
1985-86	731	..	14,757	5,161	3,261
1986—					
January	32.7	80.8	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
September	53.9	53.7	1,261	417	234
October	63.2	53.2	1,453	510	300
November	63.4	59.4	1,309	450	312
December	48.8	62.6	1,199	295	223
1987—					
January	28.1	76.1	458	154	215
February	60.2	57.2	1,476	472	299
March	72.3	65.7	1,526	427	298
1985-86 : July to Mar.	559	..	11,470	3,885	2,450
1986-87 : July to Mar.	506	..	11,205	3,686	2,415

(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	196,769	20,863	82,524	17,916	48,446
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—					
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	1,347	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
September	20,867	1,277	12,507	2,234	2,749
October	24,688	1,057	11,189	1,898	2,699
November	22,105	1,010	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
1985-86 : July to Mar.	186,220	10,323	80,054	17,179	31,554
1986-87 : July to Mar.	177,677	9,703	86,185	16,004	22,752

(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)	LP and TLF (662.26)	Natural (662.34)	
1983-84	137,873	67,032	59,978	14,060	33,379	62,613	2,101
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—							
January	5,846	4,399	4,656	528	1,119	2,622	202
February	9,614	6,485	5,498	811	2,142	5,285	309
March	8,540	6,418	6,023	986	2,578	5,777	363
April	8,888	7,014	5,381	816	1,873	4,605	300
May	5,532	5,906	4,860	361	1,380	3,569	631
June	9,385	5,910	5,784	653	2,390	5,027	407
July	11,159	6,684	5,606	659	2,093	5,039	513
August	8,047	6,832	6,510	715	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	8,379	6,799	4,589		2,277	4,623	388
1985-86 : July to Mar.	98,746	64,778	56,650	9,353	24,674	52,248	3,227
1986-87 : July to Mar.	84,294	57,727	44,237		25,603	41,571	3,261

(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	69,361	188,681
1986—	899	1,643	8,913
January	2,410	4,157	14,746
February	2,355	7,409	12,824
March	2,526	9,914	12,904
April	2,594	9,430	12,903
May	3,087	6,423	9,236
June	3,385	4,399	14,489
July	2,627	3,176	15,055
August	1,979	2,678	16,046
September	1,726	2,637	19,904
October	1,528	2,320	18,146
November	1,430	3,025	13,605
December			
1987—			
January	1,016	2,010	8,948
February	1,074	6,734	13,857
March	2,583	6,226	14,140
1985-86 : July to Mar.	20,479	43,594	153,638
1986-87 : July to Mar.	17,348	33,205	134,190

(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)	Toilet cisterns(b) plastic (671.55)	Wash basins wall and pedestal (671.37)
1983-84	263,085	453,578	212,066
1984-85	290,609	493,350	244,084
1985-86	268,425	456,950	255,066
1986—			
January	8,177	25,464	10,772
February	22,815	43,706	21,751
March	19,264	30,448	20,834
April	20,732	40,419	21,832
May	22,608	34,164	19,625
June	19,993	42,970	21,806
July	24,050	n.p.	21,371
August	19,531	n.p.	18,432
September	23,767	n.p.	18,424
October	25,600	n.p.	23,636
November	23,986	n.p.	20,362
December	19,799	n.p.	15,393
1987—			
January	5,238	n.p.	9,357
February	21,237	n.p.	21,743
March	21,407	n.p.	22,439
1985-86 : July to Mar.	205,092	339,397	191,803
1986-87 : July to Mar.	184,615	n.p.	171,157

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