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PRODUCTION BULLETIN NO. 5 : BUILDING MATERIALS AND FITTINGS AUSTRALIA, FEBRUARY 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 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, 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)	Clay: For structural purposes: Vic(a)	Clay: For structural purposes: Qld(a) (471.91,93)	Clay: For structural purposes: Other States(a)	Clay: For structural purposes: Australia: Original	Clay: For structural purposes: Australia: Seasonally adjusted(b)	Clay: For other purposes (incl. pavers) (471.98)	Concrete -standard size (475.21)
1983-84	695	401	248	447	1,708	..	83.9	51.2
1984-85	721	433	249	516	1,920	..	92.3	55.7
1985-86	742	447	251	540	1,980	..	117.8	54.7
1985—								
December	53.4	32.6	17.4	42.4	146	162	12.0	3.2
1986—								
January	39.0	23.8	16.1	37.6	117	163	8.9	2.5
February	60.0	37.2	20.0	42.3	160	168	9.5	4.9
March	61.8	34.8	20.7	48.7	166	169	10.3	5.7
April	62.6	40.9	21.9	43.6	169	158	11.9	3.3
May	66.6	37.3	20.4	47.7	172	161	10.9	4.4
June	60.5	36.7	21.7	42.7	162	162	8.0	4.8
July	63.7	42.4	22.8	44.3	173	157	11.6	4.3
August	61.4	39.0	19.2	39.1	159	158	10.4	4.6
September	67.5	43.1	18.9	41.2	171	162	13.8	4.5
October	62.1	37.8	20.1	41.7	162	147	13.0	4.0
November	56.5	34.7	16.4	36.7	144	145	17.0	5.8
December	50.7	32.7	14.2	36.3	134	146	12.0	3.8
1987—								
January	34.7	20.8	9.9	33.5	99	142	8.7	2.0
February	52.1	36.2	16.3	38.1	143	149	10.9	4.6
1985-86 : July to Feb.	490	297	167	357	1,311	..	76.7	36.5
1986-87 : July to Feb.	449	287	138	311	1,184	..	97.3	33.6

(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)	Australia: 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
1985—						
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
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
1985-86 : July to Feb.	4,610	3,956	2,165	3,233	2,094	11,870
1986-87 : July to Feb.	3,585	3,357	1,975	2,424	1,942	9,399

(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.

Period	PORTLAND CEMENT ('000 tonnes)		CONCRETE PRODUCTS	
	Original (474.02)	*Seasonally adjusted (a)*	*Concrete blocks(b) (475.27)*	*Concrete box culverts (475.60)*
			million	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
1985—				
December	457	473	6.23	8,186
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	487	8.36	14,437
July	537	509	7.96	11,315
August	488	451	7.12	8,541
September	511	494	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
1985-86 : July to Feb.	4,024	..	64.5	75,279
1986-87 : July to Feb.	3,892	..	62.0	63,096

(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.*	*W.A. (475.90)*	*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
1985—									
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	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
1985-86 : July to Feb.	3,046	2,005	2,146	739	899	174	267	138	9,414
1986-87 : July to Feb.	2,980	2,070	2,000	621	855	158	261	138	9,082

(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
1985—				
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		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		
1985-86 : July to Feb.	51,252	12,831		..
1986-87 : July to Feb.	47,601	12,607		..

(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
1985—					
December	49.9	69.4	1,014	355	256
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
1985-86 : July to Feb.	490	..	10,157	3,437	2,189
1986-87 : July to Feb.	434	..	9,679	3,259	2,117

(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: Storage—displacement type: Full mains pressure (654.11)	Electric: Storage—displacement type: Constant pressure (654.12)	Gas: Natural (654.24)	Gas: Other (654.25)	Solar (b) (654.28)
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
1985—					
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	1,347	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
1985-86 : July to Feb.	166,386	9,413	71,099	15,691	29,274
1986-87 : July to Feb.	152,936	8,607	74,850	14,534	19,992

(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—Electric: Ranges(a) fixed and other (661.02)	Domestic types—Electric: Wall ovens (661.11)	Domestic types—Electric: Cooking tops (661.13)	Domestic types—Gas(b): Standard town (662.31)	Domestic types—Gas(b): Natural (662.34)	Domestic types—Gas(b): LP and TLP (662.26)	Domestic types—Gas(b): Total	Non-domestic types: Electric (661.19)
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	122,551	83,608	72,675	11,183	65,449	30,317	106,949	4,565
1985—								
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
September	11,225	7,004	6,510	715	5,148	2,649	8,512	420
October	12,195	7,791	6,549	791	6,033	3,340	10,164	415
November	9,932	7,191	4,739	661	5,106	2,365	8,132	350
December	9,035	6,922	5,485	714	5,096	2,632	8,442	357
1987—								
January	5,241	2,685	1,703	191	1,481	778	2,450	119
February	8,181	5,819	4,340	560	3,931	2,032	6,523	382
1985-86 : July to Feb.	90,206	58,360	50,627	8,367	46,471	22,096	76,934	2,864
1986-87 : July to Feb.	75,915	50,928	39,648	5,029	36,948	18,297	60,274	2,873

(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
1985—			
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	6,423	9,236
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
1985-86 : July to Feb.	18,124	36,185	140,814
1986-87 : July to Feb.	14,765	26,979	120,050

(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)	Pans (closet) (671.41)
1983-84	263,085	453,578	212,066	491,097
1984-85	290,609	493,350	244,084	516,070
1985-86	268,425	456,950	255,066	538,918
1985—				
December	18,248	27,641	21,824	39,376
1986—				
January	8,177	25,464	10,772	25,556
February	22,815	43,706	21,751	46,032
March	19,264	30,448	20,834	46,540
April	20,732	40,419	21,832	52,773
May	22,608	34,164	19,625	50,554
June	19,993	42,970	21,806	50,711
July	24,050	n.p.	21,371	55,963
August	19,531	n.p.	18,432	51,638
September	23,767	n.p.	18,424	52,363
October	25,600	n.p.	23,636	57,383
November	23,986	n.p.	20,362	48,493
December	19,799	n.p.	15,393	37,599
1987—				
January	5,238	n.p.	9,357	22,979
February	21,237	n.p.	21,743	46,749
1985-86 : July to Feb.	185,828	308,949	170,969	338,340
1986-87 : July to Feb.	163,208	n.p.	148,718	373,167

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

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