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PRODUCTION BULLETIN NO. 5 : BUILDING MATERIALS AND FITTINGS AUSTRALIA, DECEMBER 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)

r revised since previous issue

IAN CASTLES
Australian Statistician

INDEX

	<i>Page</i>		<i>Page</i>
Box culverts, concrete	4	Plastic—	
Bricks	3	Boards and sheets	5
Cement, Portland	4	Building materials	5
Concrete—		Portland cement	4
Blocks	4		
Box culverts	4	Ranges, cooking	6
Ready mixed	4	Ready mixed concrete	4
Roofing tiles	3	Roofing tiles	3
Cooking stoves, ovens and ranges	6		
Decorative surfaced boards and sheets	5	Sawn timber, Australian grown	5
Furnaces, warm air	7	Sheets and boards—	
Heaters, space	7	Lignocellulose	5
Hot water systems	6	Plastic	5
Lignocellulose boards and sheets	5	Sinks	7
Mineral wool	5	Solar collectors	7
Ovens	6	Space heaters and fires	7
Pans, closet	7	Stoves, cooking	6
Particle board	5	Terracotta roofing tiles	3
Pavers, clay (see bricks)	3	Tiles, roofing	3
		Timber, sawn, Australian grown	5
		Wash basins, earthenware	7

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	..	92.3
1985-86	742	447	251	540	1,980	..	117.8
1986-87	699	447	214	484	1,844	..	147.3
1986 -							
October	62.1	37.8	20.1	42.4	162	148	13.2
November	56.5	34.7	16.4	37.2	145	148	17.2
December	50.7	32.7	14.3	36.9	135	150	12.2
1987 -							
January	34.7	20.8	9.9	33.6	99	148	8.9
February	52.1	36.2	16.3	38.4	143	150	11.1
March	63.1	44.2	20.7	43.8	172	158	14.3
April	59.1	36.7	17.0	39.8	153	154	13.3
May	60.5	38.4	18.5	43.2	161	154	11.8
June	67.4	40.8	19.8	42.5	171	160	11.4
July	64.7	38.6	18.0	40.2	161	145	14.2
August	58.9	37.0	19.7	39.2	155	154	13.9
September	63.9	40.7	23.2	42.2	170	156	15.6
October	59.7	35.7	22.5	37.8	156	146	19.8
November	57.9	34.7	19.6	37.6	150	150	14.6
December	54.6	34.1	19.5	36.3	145	162	26.9
1986-87 : July to Dec.	362	230	112	243	946	..	76.5
1987-88 : July to Dec.	360	221	123	233	936	..	91.1

(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	2,969	3,756	3,285	14,388
1986 -						
October	505	509	298	390	277	1,425
November	468	435	257	355	234	1,282
December	389	345	225	226	159	1,025
1987 -						
January	163	203	191	126	115	568
February	432	431	249	335	211	1,237
March	530	496	264	348	336	1,302
April	450	424	212	314	313	1,086
May	529	483	268	325	337	1,267
June	591	503	232	347	357	1,314
July	530	508	222	374	306	1,383
August	487	436	322	316	340	1,220
September	458	453	295	372	261	1,318
October	512	443	325	405	278	1,407
November	560	446	315	407	305	1,424
December	448	377	253	321	250	1,148
1986-87 : July to Dec.	2,989	2,722	1,554	1,962	1,615	7,613
1987-88 : July to Dec.	2,995	2,663	1,787	2,195	1,741	7,900

(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 Products	
			Concrete blocks/ft (475.27)	Concrete box culverts (475.60)
			million	tonnes
1984-85	5,659	..	96.7	128,099
1985-86	6,106	..	96.2	130,425
1986-87	5,912	..	r92.7	100,623
1986 —			r	
October	546	502	9.78	8,053
November	525	501	7.78	7,411
December	489	510	7.82	5,291
1987 —			r	
January	347	506	6.59	4,732
February	482	493	7.29	9,779
March	504	489	8.41	10,777
April	487	499	7.04	8,640
May	496	474	6.99	9,823
June	468	463	7.14	8,287
July	500	466	8.15	7,209
August	479	464	8.00	6,461
September	502	479	8.67	6,417
October	551	502	8.93	7,479
November	517	499	r8.87	r8,986
December	522	538	7.71	7,280
1986-87 : July to Dec.	3,129	..	49.2	48,585
1987-88 : July to Dec.	3,071	..	50.3	43,832

(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	3,225	3,019	954	1,261	248	389	189	13,777
1986 —									
October	418	292	289	88.9	126.0	21.5	26.0	22.1	1,283
November	351	279	277	90.1	111.1	21.0	43.7	19.4	1,192
December	382	236	214	81.6	97.9	12.1	37.2	14.2	1,074
1987 —									
January	276	188	197	57.2	73.8	14.1	16.3	9.0	832
February	371	276	247	78.4	103.7	21.1	32.4	10.6	1,141
March	368	296	260	89.9	103.6	21.6	34.1	12.4	1,186
April	386	279	238	83.7	95.6	20.0	33.7	11.4	1,147
May	412	288	248	80.7	111.9	24.0	32.4	12.9	1,210
June	347	279	261	79.2	97.1	23.9	28.2	13.8	1,129
July	409	298	294	81.4	110.5	24.2	35.0	12.8	1,264
August	343	299	274	83.6	107.3	26.0	30.8	12.5	1,176
September	484	r306	333	88.4	111.0	27.8	40.7	14.4	1,405
October	387	r336	320	91.9	121.0	28.6	32.3	11.9	r1,329
November	419	297	341	88.6	121.2	27.7	32.2	10.8	1,339
December	403	265	284	77.8	99.2	28.6	26.3	10.2	1,194
1986-87 : July to Dec.	2,332	1,618	1,567	485	675	123	212	118.6	7,132
1987-88 : July to Dec.	2,445	1,802	1,846	512	670	163	197	72.6	7,708

(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—					
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
October	68.0	62.9	1,554	547	291
November	62.3	57.2	1,639	470	315
December	52.7	63.5	1,151	382	236
1986-87 : July to Dec.	346	..	7,746	2,633	1,604
1987-88 : July to Dec.	381	..	8,609	2,867	1,669

(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	Sawn Australian grown timber(a)
	Glass (excl. sectional pipe insulation) (479.01)	
1984-85	17,494	3,245
1985-86	19,420	3,017
1986-87	19,030	2,947
1986 —		
October	1,867	760
November	1,686	
December	1,063	
1987 —		
January	1,176	647
February	1,561	
March	1,461	
April	1,281	752
May	1,734	
June	1,947	
July	2,140	743
August	1,708	
September	1,963	
October	1,736	745
November	1,669	
December	1,797	
1986-87 : July to Dec.	9,870	1,548
1987-88 : July to Dec.	11,013	1,489

(a) Source: Department of Primary Industries and Energy. 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 —					
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	23,180	1,187	11,741	1,573	3,572
October	20,170	895	11,974	2,068	2,851
November	23,427	901	11,243	1,885	2,757
December	20,836	631	11,609	1,832	1,938
1986-87 : July to Dec.	128,267	7,201	62,612	11,634	15,911
1987-88 : July to Dec.	129,769	6,165	68,541	10,688	17,510

(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(h)				
	Ranges(a) fixed and other (661.02)	Wall ovens (661.11)	Cooking tops (661.13)	Standard town (662.31)	L.P. and T.L.P. (662.26)	Natural (662.34)		Total
1984-85	134,287	86,322	73,129	11,704	34,066	72,005	117,775	2,640
1985-86	122,551	83,608	72,675	11,183	30,317	65,449	106,949	4,565
1986-87	106,095	76,024	59,108	8,064	26,267	58,410	92,741	4,460
1986—								
October	12,195	7,791	6,549	791	3,340	6,033	10,164	415
November	9,932	7,191	4,739	661	2,365	5,106	8,132	350
December	9,035	6,922	5,485	714	2,632	5,096	8,442	357
1987—								
January	5,241	2,685	1,703	191	778	1,481	2,450	119
February	8,181	5,819	4,340	560	2,032	3,931	6,523	382
March	8,494	6,936	4,667	n.p.	n.p.	4,623	6,900	388
April	7,425	5,863	5,112	n.p.	n.p.	5,036	8,124	346
May	5,896	4,905	4,285	n.p.	n.p.	4,197	6,310	435
June	8,365	7,392	5,396	n.p.	n.p.	7,606	11,133	418
July	9,330	6,622	5,433	834	3,070	6,488	10,392	549
August	9,845	6,368	5,273	811	2,675	6,465	9,951	403
September	12,233	7,720	5,806	749	2,620	6,726	10,095	483
October	11,331	8,173	6,703	635	1,918	5,027	7,580	512
November	9,439	7,961	5,687	767	2,391	6,166	9,324	380
December	7,865	6,996	4,255	586	1,703	4,715	7,004	451
1986-87 : July to Dec.	62,493	42,424	33,605	4,278	15,487	31,536	51,301	2,372
1987-88 : July to Dec.	60,043	43,840	33,157	4,382	14,377	35,587	54,346	2,778

(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.

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 —			
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	16,554
September	2,556	5,229	18,280
October	2,278	4,646	17,144
November	1,613	3,930	14,133
December	1,311	2,363	14,965
1986-87 : July to Dec.	12,675	18,235	97,245
1987-88 : July to Dec.	14,712	32,435	95,076

(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 —			
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	15,979	42,971
July	20,121	24,282	57,439
August	18,443	22,433	49,866
September	25,338	27,652	50,224
October	20,773	24,624	44,834
November	25,356	23,970	48,482
December	20,900	19,962	35,546
1986-87 : July to Dec.	136,733	117,618	303,439
1987-88 : July to Dec.	130,931	142,923	286,391

(a) Excludes enamelled or galvanised sinks.