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

PHONE INQUIRIES for more information about these statistics—contact Sue Gumprich on Canberra (062) 52 5558 or any of our State offices.

other inquiries including copies of publications—contact Information Services on Canberra (062) 52 6627 or in any of our State offices.

MAIL INQUIRIES write to Information Services, ABS, P.O. Box 10, Belconnen, A.C.T. 2616 or any of our State offices.

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 I, 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 (8365.0) (Preliminary)

Manufacturing Commodities, Principal Articles Produced, Australia, 1980-81 and 1981-82 (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)

n.y.a. not yet available

.. not applicable

— nil or rounded to zero

— break in continuity of series (where a line is drawn between two consecutive figures in the same column)

R.J. CAMERON
Australian Statistician

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BRICKS

Period	Clay								
	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)	Concrete standard size (475.21)
						Original	Seasonally adjusted(b)		
—million—									
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—									
June	54.6	33.5	18.9	22.3	10.2	133	128	6.8	3.4
July	54.3	33.1	18.7	23.9	11.8	137	133	4.3	4.0
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	15.6	162	153	5.9	4.7
August	61.2	39.2	23.1	28.0	13.1	165	154	6.4	3.6
1983-84 : July to Aug.									
1984-85 : July to Aug.	114	66.1	40.2	45.2	25.0	280	..	10.8	8.5
	124	73.1	45.4	55.1	28.7	327	..	12.4	8.3

TERRACOTTA AND CONCRETE ROOFING TILES

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)
					—' 000 sq metres—	
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—						
June	486	400	188	360	256	1,177
July	527	394	155	327	239	1,164
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
1983-84 : July to Aug.	1,105	827	342	668	498	2,444
1984-85 : July to Aug.	1,261	1,048	529	956	521	3,272

(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

Period	Original (474.02)	Seasonally adjusted (a)
	— '000 tonnes—	
1981-82	6,086	..
1982-83	5,076	..
1983-84	5,130	..
1983—		
June	421	413
July	410	384
August	419	401
September	450	440
October	433	417
November	446	424
December	434	438
1984—		
January	244	369
February	451	454
March	471	442
April	408	427
May	503	459
June	462	446
July	482	453
August	503	475
1983-84 : July to Aug.	829	..
1984-85 : July to Aug.	985	..

CONCRETE PRODUCTS

Concrete blocks(b) (475.27)	Concrete box culverts (475.60)
million	tonnes
97.0	119,188
82.0	118,524
83.3	112,721
6.57	10,338
6.40	9,734
7.31	7,886
7.60	7,374
7.04	8,201
8.05	10,058
6.01	6,927
3.94	5,153
7.09	10,260
7.70	12,024
6.35	9,734
8.37	12,490
7.47	12,880
8.17	13,216
8.53	11,193
13.7	17,620
16.7	24,409

READY MIXED CONCRETE(c)

	N. S. W.	Vic.	Qld	S. A. (475.90)	W. A.	Tas.	A. C. T.	N. T.	Australia
	— '000 cu. m—								
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
1983—									
June	288	195	220	80.4	73.8	15.7	16.6	15.1	905
July	299	185	243	65.7	73.3	15.8	22.4	14.7	918
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
1984—									
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
1983-84 : July to Aug.	639	393	499	144	156	32.0	47.1	29.2	1,940
1984-85 : July to Aug.	694	476	517	160	179	29.8	51.7	35.9	2,143

(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	MINERAL WOOL	SAWN TIMBER
	Plaster sheets (479.32.33)	Bonded mineral wool	Sawn Australian grown timber(a) (331.01-19)
		Glass (excl. sectional pipe insulation) (479.01)	
	'000 sq.m	tonnes	'000 cu.m
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—			
June	4,799	1,442	
July	4,458	1,429	
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	
1983-84 : July to Aug.	9,819	2,859	..
1984-85 : July to Aug.	12,514	3,024	..

LIGNOCELLULOSE AND DECORATIVE SURFACED BOARDS AND SHEETS

Period	Lignocellulose boards and sheets(b)		Decorative surfaced boards and sheets(c)	Plastic building materials	
	Particle board resin bonded(b)			Decorative laminated —high pressure (425.01)	Profile sheet(d) (425.19)
	Original (336.12)	Seasonally adjusted	On particle board (425.08)		
	—' 000 cu.m—			—' 000 sq.m—	
1981-82	678	..	8,849	(e)4,354	2,506
1982-83	566	..	7,646	(f)3,611	1,982
1983-84	662	..	8,880	(f)7,602	2,306
1983—				(f)	
June	57.1	50.1	710	385	161
July	51.8	50.3	645	468	180
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
1983-84 : July to Aug.	113	..	1,409	951	385
1984-85 : July to Aug.	125	..	1,734	1,604	404

(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) Excludes decorative laminated sheets simply bonded by means of an adhesive to a substrate. (d) Corrugated, etc. (including fibre glass reinforced). (e) From July 1962 excludes low pressure type. (f) Series revised significantly since last issue.

COMPLETE HOT WATER SYSTEMS(a)

Period	Electric				Solar (b) (654.28)
	Storage— displacement type		Gas		
	Full mains pressure (654.11)	Constant pressure (654.12)	Natural (654.24)	Other (654.25)	
	—number—				
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—					
June	18,792	2,059	8,231	1,565	3,726
July	14,549	2,281	8,610	2,044	3,675
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
1983-84 : July to Aug.	31,421	4,839	17,277	3,808	9,694
1984-85 : July to Aug.	44,417	3,160	17,002	3,097	8,614

COOKING STOVES, OVENS AND RANGES

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)					
	—number—					
1981-82	148,453	(e)95,342	73,687	(f)18,691	(f)62,254	(f)111,410
1982-83	110,526	50,123	49,163	17,514	53,430	98,249
1983-84	137,873	67,032	59,978	14,060	62,613	110,052
1983—						
June	12,473	5,147	4,751	n.p.	5,084	8,982
July	12,457	5,296	4,637	1,249	4,981	8,623
August	11,569	5,779	4,477	1,227	6,086	10,399
September	13,183	5,479	4,752	1,402	6,438	10,601
October	12,427	5,526	4,973	976	3,986	9,185
November	11,140	7,145	5,383	1,594	5,498	10,662
December	10,537	3,705	4,688	1,137	4,472	8,477
1984—						
January	5,942	2,029	2,080	305	1,692	2,849
February	12,568	6,345	5,704	1,433	6,280	10,068
March	13,635	6,620	6,061	1,472	5,509	9,579
April	11,247	5,992	5,096	1,245	4,011	7,719
May	11,624	6,397	6,333	1,231	7,852	12,663
June	11,544	6,719	5,794	789	5,808	9,227
July	11,784	8,013	7,040	690	7,113	10,735
August	13,759	8,162	6,918	1,260	7,767	12,348
1983-84 : July to Aug.	24,026	11,075	9,114	2,476	11,067	19,022
1984-85 : July to Aug.	25,543	16,175	13,958	1,950	14,880	23,083

(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, stovettes, etc. (e) Prior to July 1982 includes grill boilers. (f) Prior to July 1982 includes wall ovens.

COOKING STOVES—continued

SPACE HEATERS AND SOLAR COLLECTORS

Period	Non-domestic cooking stoves ovens and ranges		Space heaters(a)		Solar collectors(b) (654.84-87)
	Electric (661.19)	Gas (662.49)	Gas fired warm air furnaces (651.28,29)	Gas fires and gas space heaters —all types (651.15)	
—number—					sq. m.
1981-82	3,860	3,150	20,516	51,512	196,705
1982-83	2,847	2,232	18,867	68,999	198,476
1983-84	2,101	n.p.	21,148	69,205	218,592
1983—					
June	208	64	2,159	11,463	20,690
July	171	88	2,077	8,403	16,798
August	173	n.p.	3,088	4,382	28,055
September	170	n.p.	1,504	2,324	24,799
October	150	n.p.	1,348	2,816	21,715
November	197	n.p.	1,140	4,642	22,716
December	141	n.p.	845	2,435	15,202
1984—					
January	56	n.p.	336	2,695	11,920
February	115	n.p.	1,165	5,798	19,196
March	235	n.p.	1,783	8,089	16,410
April	204	n.p.	2,084	7,236	8,839
May	241	n.p.	3,104	11,447	17,040
June	248	n.p.	2,674	8,938	15,902
July	187	n.p.	2,868	8,153	18,508
August	247	n.p.	2,194	4,651	19,254
1983-84 : July to Aug.	344	n.p.	5,165	12,785	44,853
1984-85 : July to Aug.	434	n.p.	5,062	12,804	37,762

PLUMBING FIXTURES AND FITTINGS

Period	Sinks (incl. combination sinks)		Laundry tubs		Earthenware	
	Pressed steel standard size— stainless(d) (671.14)	Pressed steel (enamelled, stainless or galvanised) (671.22)	Toilet cisterns(e) plastic (671.55)	Wash basins wall and pedestal (671.37)	Pans (closet) (671.41)	
			— number —			
1981-82	(f)258,335	(g)182,805	519,734	276,620		570,790
1982-83	210,153	152,364	422,977	202,425		498,765
1983-84	263,085	198,188	453,578	212,066		491,097
1983—						
June	23,203	16,845	39,273	20,679		38,032
July	19,602	15,127	38,461	17,926		34,027
August	22,183	16,076	44,506	23,684		41,540
September	22,230	17,856	41,263	16,970		42,181
October	21,071	16,350	40,358	16,913		36,671
November	23,287	19,342	43,703	20,041		42,277
December	18,841	15,037	n.p.	10,727		33,649
1984—						
January	6,499	3,998	n.p.	7,356		19,872
February	26,364	18,991	35,380	17,199		49,637
March	23,642	22,317	36,972	22,316		54,611
April	22,156	18,275	34,141	18,403		38,754
May	31,525	18,643	54,480	22,097		46,296
June	25,685	16,176	35,485	21,434		51,582
July	28,391	19,161	49,559	20,181		52,286
August	29,592	18,079	44,639	18,079		45,707
1983-84 : July to Aug.	41,785	31,203	82,967	38,610		75,567
1984-85 : July to Aug.	57,983	37,240	94,198	38,260		97,993

(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) Prior to July 1981 figures relate only to collectors for hot water systems. (d) Excludes enamelled or galvanised sinks. (e) Excludes storage tanks for use with flusherette valves. (f) Prior to July 1982 includes enamelled sinks. (g) Prior to July 1982 comprises stainless steel laundry tubs only.