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**PRODUCTION OF
BUILDING MATERIALS AND FITTINGS
AUSTRALIA, JANUARY 1989**

**(previously: Production Bulletin No. 5,
Building Materials and Fittings Australia)**

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TABLE 1. BRICKS
(million)

Period	Clay							
	For structural purposes							
	N.S.W. and A.C.T.	Vic.	Qld (471.91.93)	Other States	Australia		For other purposes (incl. pavers) (471.98)	Concrete standard size (475.21)
					Original	Seasonally adjusted(a)		
1985-86	745	447	251	540	1,983	..	117.8	54.7
1986-87	705	447	214	482	1,847	..	r154.5	r50.0
1987-88	713	427	262	464	1,867	..	165.1	66.5
1987—								
November	57.9	34.7	19.6	37.6	150	151	19.8	5.6
December	54.7	34.4	19.5	36.3	145	162	14.6	4.3
1988—								
January	32.9	15.2	14.4	26.2	89	138	10.5	2.6
February	54.0	34.8	21.9	36.9	148	151	11.8	5.4
March	71.4	43.5	27.8	41.1	184	161	15.0	9.0
April	55.9	30.9	22.8	38.5	148	153	13.5	5.0
May	72.8	44.1	26.6	45.6	189	175	10.8	6.2
June	66.2	37.4	26.4	42.8	173	161	12.4	5.9
July	65.1	37.5	24.5	45.4	172	166	10.7	6.8
August	73.7	42.8	30.3	49.3	196	180	15.3	7.6
September	66.7	37.3	28.4	45.2	178	165	15.0	14.6
October	64.6	36.8	r25.7	46.8	174	172	14.0	13.0
November	72.4	42.3	r26.0	46.2	r187	r178	r17.0	r15.3
December	59.0	30.3	28.1	r43.6	161	187	r16.1	10.6
1989—								
January	55.2	25.0	28.4	44.8	153	229	17.0	10.2
1987-88 : July to Jan.	393	236	137	259	1,026	..	101.6	35.0
1988-89 : July to Jan.	456	252	191	321	1,221	..	105.9	78.7

(a) See paragraph 6 of Explanatory Notes.

TABLE 2. TERRACOTTA AND CONCRETE ROOFING TILES
('000 square metres)

Period	Flat surface measure (a)					
	N.S.W. and A.C.T.	Vic.	W.A. (472.15.475.32)	Other States	Australia	
					Terracotta (472.15)	Concrete (475.32)
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
1987-88	6,394	r5,234	3,369	4,744	3,399	r16,342
1987—						
November	560	446	315	407	305	1,424
December	448	377	253	321	250	1,148
1988—						
January	147	r187	195	193	146	r576
February	657	431	280	476	265	1,579
March	712	510	318	517	331	1,725
April	521	416	253	401	287	1,305
May	723	548	318	477	343	1,722
June	639	480	217	484	286	1,535
July	610	472	228	481	303	1,489
August	730	517	371	518	342	1,795
September	632	519	369	612	294	1,838
October	r603	525	390	604	344	r1,779
November	763	r594	386	703	339	2,106
December	579	404	350	511	291	1,552
1989—						
January	332	250	324	299	168	1,037
1987-88 : July to Jan.	3,142	2,850	1,982	2,389	1,887	8,476
1988-89 : July to Jan.	4,249	3,281	2,419	3,728	2,081	11,596

(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.

TABLE 3. PORTLAND CEMENT AND CONCRETE PRODUCTS

Period	Portland Cement		Concrete blocks(b) (475.27) million	Concrete box culverts (475.60) tonnes
	Original (474.02)	Seasonally adjusted (a)		
	'000 tonnes			
1985-86	6,106	..	r95.8	r130,419
1986-87	5,920	..	r89.1	r102,877
1987-88	6,150	..	r97.5	r93,000
1987—				
November	525	504	r8.8	r9,034
December	532	525	r7.0	7,280
1988—				
January	362	530	r5.0	4,527
February	509	507	r8.7	8,375
March	545	519	r8.5	9,006
April	499	514	r7.2	5,996
May	537	521	9.4	10,359
June	586	584	9.0	10,857
July	556	532	8.7	7,795
August	603	591	10.8	8,163
September	609	576	8.9	7,662
October	584	541	r9.9	9,308
November	613	579	r10.8	11,743
December	594	582	r8.7	8,497
1989—				
January	415	610	6.1	5,772
1987-88 : July to Jan.	3,474	..	54.6	48,407
1988-89 : July to Jan.	3,974	..	63.9	58,940

(a) See paragraph 6, Explanatory Notes. (b) Expressed in terms of 400 mm x 200 mm x 200 mm blocks.

TABLE 4. 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
1985-86	4,587	r3,063	3,138	1,092	r1,350	312	406	r213	r14,161
1986-87	4,492	3,225	3,025	954	1,261	275	389	189	13,810
1987-88	4,730	3,608	3,633	1,008	r1,339	r333	323	122	15,097
1987—									
November	419	295	342	88.6	121.2	r27.3	32.2	10.8	1,337
December	403	266	284	77.8	99.0	28.6	26.3	10.2	1,195
1988—									
January	302	188	232	51.1	81.4	r20.4	12.0	7.4	894
February	406	327	317	93.6	116.3	29.2	25.7	8.8	1,324
March	463	354	317	100.6	123.6	35.5	25.6	8.3	1,428
April	236	285	218	79.0	105.8	75.8	14.9	6.8	972
May	434	334	363	80.9	119.0	30.0	22.0	8.2	1,391
June	444	318	337	91.2	123.4	30.0	25.3	10.2	1,379
July	443	r318	326	86.4	123.1	26.5	21.4	8.9	r1,353
August	466	366	370	95.4	142.7	32.7	25.8	10.1	1,508
September	485	372	390	95.4	135.0	33.8	28.0	8.5	1,547
October	r480	r379	381	94.2	147.7	28.3	23.6	10.7	r1,545
November	r479	345	409	108.9	153.4	33.7	30.3	9.6	r1,568
December	383	338	281	87.2	123.8	28.6	20.9	5.4	1,267
1989—									
January	303	248	292	60.0	99.4	22.9	13.9	6.4	1,047
1987-88 : July to Jan.	2,747	1,990	2,081	563	751	182	209	80.0	8,603
1988-89 : July to Jan.	3,039	2,366	2,448	627	925	207	164	59.7	9,836

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

TABLE 5. 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)			On particle board (425.08)	Decorative laminated —high pressure (425.01)	Profile sheet(d) (425.19)
	Original (336.12)	Seasonally adjusted(b)				
—'000 cu.m—		—'000 sq.m—				
1985-86	731	..	14,757	5,161	3,261	
1986-87	705	..	15,249	4,905	3,270	
1987-88	728	..	16,624	5,202	3,240	
1987—						
November	62.3	58.2	1,636	470	315	
December	52.7	63.4	1,150	382	235	
1988—						
January	26.2	63.4	650	145	195	
February	66.4	60.5	1,184	420	247	
March	73.4	58.5	1,614	510	292	
April	53.3	54.7	1,203	408	213	
May	58.1	55.2	1,635	434	291	
June	69.3	62.5	1,738	418	334	
July	58.5	58.8	1,466	517	173	
August	77.3	68.9	1,862	461	314	
September	64.5	63.6	1,634	578	301	
October	64.8	61.6	1,679	516	283	
November	79.9	68.8	1,977	534	n.p.	
December	45.2	59.7	891	465	n.p.	
1989—						
January	31.9	74.5	864	151	n.p.	
1987-88 : July to Jan.	407	..	9,250	3,012	1,864	
1988-89 : July to Jan.	422	..	10,373	3,223	n.p.	

(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).

TABLE 6. TIMBER, INSULATION AND PLUMBING FIXTURES

Period	Bonded mineral wool		Sinks (inc. combination sinks)	Ceramic products	
	Sawn Australian grown timber(a)	Glass (excl. sectional pipe insulation) (479.01)	Pressed steel standard size-stainless(b) (480.91)	Wash basins wall and pedestal (671.37)	Pans (closet) (671.41)
	'000 cu.m	tonnes	—number—		
1985-86	3,002	19,420	268,425	260,611	538,918
1986-87	2,928	19,030	240,190	238,489	565,960
1987-88	3,177	20,287	276,243	n.p.	n.p.
1987—					
November		1,669	25,877	23,970	48,482
December	780	1,797	20,900	19,962	35,546
1988—					
January		1,585	10,348	7,717	14,002
February		2,092	24,569	n.p.	n.p.
March	764	1,670	32,333	n.p.	n.p.
April		972	24,388	n.p.	n.p.
May		1,134	33,316	n.p.	n.p.
June	857	1,821	19,837	n.p.	n.p.
July		n.p.	26,129	n.p.	n.p.
August		n.p.	28,826	n.p.	n.p.
September	837	n.p.	27,930	n.p.	n.p.
October		n.p.	27,098	n.p.	n.p.
November		n.p.	30,281	n.p.	n.p.
December	n.y.a.	n.p.	22,655	n.p.	n.p.
1989—					
January		902	9,457	n.p.	n.p.
1987-88 : July to Jan.	..	12,598	141,800	150,640	300,393
1988-89 : July to Jan.	..	n.p.	172,377	n.p.	n.p.

(a) Source: Department of Primary Industries and Energy. Quarterly figures are expressed in terms of green cut saw volumes. (b) Excludes enamelled or galvanised sinks.

TABLE 7. 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 TLP (662.26)	Natural (662.34)	
1985-86	122,551	83,608	72,675	11,183	30,329	65,449	106,961
1986-87	r106,825	r161,096	r358,755	r8,214	r26,637	r59,855	r94,706
1987-88	r115,807	r19,931	67,820	7,448	25,666	60,586	93,700
1987—							
November	9,439	7,819	5,631	707	2,414	5,826	8,947
December	7,934	7,160	4,178	482	1,570	4,223	6,275
1988—							
January	3,578	2,594	1,723	116	452	1,360	1,928
February	10,127	8,389	6,366	717	2,188	5,192	8,097
March	11,207	9,410	7,177	673	2,334	5,394	8,401
April	9,951	8,582	6,049	521	1,833	3,778	6,132
May	11,021	10,119	6,570	586	2,190	4,957	7,733
June	9,903	8,975	6,911	617	2,402	5,150	8,169
July	9,577	10,029	7,059	561	2,140	5,811	8,512
August	12,082	10,265	8,534	553	2,198	6,191	8,942
September	11,862	9,944	7,583	580	2,035	4,531	7,146
October	r11,491	r8,892	6,674	r514	r1,966	r4,688	r7,168
November	12,096	11,721	n.p.	n.p.	n.p.	6,456	9,750
December	6,237	11,304	n.p.	n.p.	n.p.	3,671	5,756
1989—							
January	4,338	3,337	n.p.	n.p.	878	1,930	2,918
1987-88 : July to Jan.	63,690	46,456	34,747	4,334	14,719	36,115	55,168
1988-89 : July to Jan.	67,683	65,492	n.p.	n.p.	n.p.	33,278	50,192

(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, stoves, etc.

TABLE 8. COMPLETE HOT WATER SYSTEMS, SPACE HEATERS AND SOLAR COLLECTORS

Period	Complete hot water systems (a)					Space heaters(c)		
	Electric storage—displacement type		Gas			Gas fired and gas space heaters		Solar collectors(d)
	Full mains pressure (654.11)	Constant pressure (654.12)	Natural (654.24)	Other (654.25)	Solar (b) (654.28)	Gas fired warm air furnaces (651.28.29)	all types (651.15)	(654.84-87) sqm
1985-86	247,276	r14,103	100,173	21,161	40,802	28,686	69,361	r188,950
1986-87	r236,460	r12,943	116,703	20,832	29,283	r27,261	59,226	167,499
1987-88	r252,231	r11,266	r121,862	r24,093	r31,421	r28,915	70,381	r160,541
1987—								
November	r23,303	901	11,243	1,885	2,757	1,613	3,930	14,133
December	20,836	r664	11,609	1,832	1,938	1,311	3,363	14,965
1988—								
January	4,059	r463	r1,956	235	984	628	2,451	5,080
February	25,471	r667	r11,722	3,280	r2,770	r1,794	5,263	r14,459
March	24,560	r1,036	r10,728	r2,467	r2,523	2,725	6,425	r13,078
April	15,515	855	8,130	2,123	2,078	2,366	7,155	9,033
May	25,453	r1,039	r9,545	2,473	r2,846	3,253	8,799	r13,231
June	27,528	1,008	11,240	2,627	2,605	3,437	7,853	10,584
July	n.p.	1,170	11,228	1,916	3,069	2,609	6,118	13,581
August	n.p.	1,077	13,380	2,932	3,392	2,203	6,100	16,089
September	n.p.	1,034	13,122	1,683	2,873	1,965	3,977	12,661
October	n.p.	993	13,182	2,274	3,224	1,914	4,154	15,967
November	n.p.	r919	n.p.	n.p.	3,294	1,737	4,419	14,856
December	n.p.	745	n.p.	n.p.	2,888	n.p.	3,628	11,365
1989—								
January	n.p.	232	2,261	n.p.	1,387	767	1,663	7,459
1987-88 : July to Jan.	133,704	6,661	70,497	10,923	18,599	15,340	34,886	100,156
1988-89 : July to Jan.	n.p.	6,170	n.p.	n.p.	20,127	n.p.	30,059	91,978

(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) Includes both domestic and non-domestic types. (d) For household or industrial water heating purposes (e.g. hot water systems, swimming pool heating). Production figures relate to effective area of aperture.

EXPLANATORY NOTES

Introduction

1. 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 'working-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, 1986-87, 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.

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