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PRODUCTION BULLETIN NO. 5 : BUILDING MATERIALS AND FITTINGS AUSTRALIA, JANUARY 1988

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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

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BRICKS
(million)

Period	Clay						
	For structural purposes						
	N.S.W. and A.C.T.	Vic	Old (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—							
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	12.9
October	59.7	35.7	22.5	37.8	156	146	15.6
November	57.9	34.7	19.6	37.6	150	150	19.8
December	54.6	34.4	19.5	36.3	145	162	14.6
1988—							
January	32.8	15.2	14.4	26.2	89	137	10.5
1986-87 : July to Jan.	397	250	122	276	1,045	..	85.4
1987-88 : July to Jan.	393	236	137	260	1,025	..	101.6

(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—						
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	277	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
1988—						
January	147	188	195	193	146	578
1986-87 : July to Jan.	3,153	2,926	1,744	2,089	1,731	8,181
1987-88 : July to Jan.	3,142	2,851	1,982	2,389	1,886	8,478

(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)

Period	Original (474.02)	Seasonally adjusted (a)
1984-85	5,659	..
1985-86	6,106	..
1986-87	5,912	..
1986—		
November	525	501
December	489	510
1987—		
January	347	506
February	482	493
March	504	489
April	487	499
May	496	474
June	468	463
July	500	466
August	479	464
September	502	479
October	551	502
November	517	499
December	522	538
1988—		
January	357	532
1986-87 : July to Jan.	3,476	..
1987-88 : July to Jan.	3,428	..

CONCRETE PRODUCTS

Concrete blocks(b)	Concrete box culverts (475.60)
million	tonnes
1984-85	128,099
1985-86	130,425
1986-87	100,623
1986—	
November	7,411
December	5,291
1987—	
January	4,732
February	9,779
March	10,777
April	8,640
May	9,823
June	8,287
July	7,209
August	6,461
September	7,479
October	6,417
November	7,479
December	7,280
1988—	
January	4,527
1986-87 : July to Jan.	53,317
1987-88 : July to Jan.	48,165

(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—									
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	114.6	1,130
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	306	333	88.4	111.0	27.8	40.7	14.4	1,405
October	387	336	320	91.9	121.0	28.6	32.3	11.9	1,329
November	419	295	341	88.6	121.2	27.7	32.2	10.8	1,336
December	403	265	284	77.8	99.0	28.6	26.3	10.2	1,194
1988—									
January	301	188	232	51.1	81.4	20.3	12.0	7.4	893
1986-87 : July to Jan.	2,608	1,807	1,764	542	749	137	228	127.6	7,964
1987-88 : July to Jan.	2,745	1,988	2,078	563	751	183	209	80.0	8,599

(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—					
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	71.2	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
1988—					
January	26.2	70.8	650	145	195
1986-87 : July to Jan.	374	..	8,203	2,787	1,818
1987-88 : July to Jan.	407	..	9,259	3,012	1,864

(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	
	Glass (excl. sectional pipe insulation) (479.01)	Sawn Australian grown timber(a)
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	
1988—		
January	1,585	..
1986-87 : July to Jan.	11,046	..
1987-88 : July to Jan.	12,598	..

(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—					
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
1988—					
January	4,059	453	1,596	235	984
1986-87 : July to Jan.	131,456	7,716	63,784	11,997	17,248
1987-88 : July to Jan.	133,828	6,618	70,137	10,923	18,494

(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 TLP (662.26)	Natural (662.34)	
1984-85	134,287	86,322	73,129	11,704	34,066	72,005	117,775
1985-86	122,551	83,608	72,675	11,183	30,317	65,449	106,949
1986-87	106,095	76,024	59,108	8,064	26,267	58,410	92,741
1986—							
November	9,932	7,191	4,739	661	2,365	5,106	8,132
December	9,035	6,922	5,485	714	2,632	5,096	8,442
1987—							
January	5,241	2,685	1,703	191	778	1,481	2,450
February	8,181	5,819	4,340	560	2,032	3,931	6,523
March	8,494	6,936	4,667	n.p.	n.p.	4,623	6,900
April	7,425	5,863	5,112	n.p.	n.p.	5,036	8,124
May	5,896	4,905	4,285	n.p.	n.p.	4,197	6,310
June	8,365	7,392	5,396	n.p.	n.p.	7,606	11,133
July	9,330	6,622	5,433	834	3,070	6,488	10,392
August	9,845	6,368	5,273	811	2,675	6,465	9,951
September	12,233	7,720	5,806	749	2,620	6,726	10,095
October	11,331	8,173	6,703	635	1,918	5,027	7,580
November	9,439	7,961	5,687	767	2,391	6,166	9,324
December	7,865	6,996	4,255	586	1,703	4,715	7,004
1988—							
January	3,638	2,553	1,750	144	526	1,639	2,309
1986-87 : July to Jan.	67,734	45,109	35,308	4,469	16,265	33,017	53,751
1987-88 : July to Jan.	63,681	46,393	34,907	4,526	14,903	37,226	56,655

(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) (634.84-87)
	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—			
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	16,654
September	2,556	5,229	18,280
October	2,278	4,646	17,144
November	1,613	3,930	14,133
December	1,311	3,363	14,965
1988—			
January	628	2,451	5,080
1986-87 : July to Jan.	13,691	20,245	106,193
1987-88 : July to Jan.	15,340	34,886	100,156

(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 sinks(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—			
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	25,877	23,970	48,482
December	20,900	19,962	35,546
1988—			
January	8,524	8,619	15,564
1986-87 : July to Jan.	141,971	126,975	326,418
1987-88 : July to Jan.	139,976	151,542	301,955

(a) Excludes enamelled or galvanised sinks.