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DECEMBER 1993 - FEBRUARY 1994

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TABLE 1. CLAY BRICKS
(million)

Period	For structural purposes (662.46.47)							For other purposes (incl. pavers) (662.48)
	NSW and ACT	Vic.	Qld	Other States	Original	Australia Seasonally adjusted (a)	Trend (b)	
1990-91	725	372	278	387	1,762	..	..	228
1991-92	666	284	286	396	1,632	..	..	286
1992-93	687	304	322	409	1,722	..	..	296
1992 —								
December	57	25	23	34	139	149	143	25
1993 —								
January	38	11	22	23	94	145	144	25
February	53	24	25	34	136	146	145	24
March	67	30	31	36	164	143	146	27
April	54	26	27	34	141	144	147	22
May	65	27	27	40	159	150	148	24
June	61	32	28	41	162	153	150	24
July	63	27	29	35	154	148	150	27
August	66	30	30	40	166	156	150	24
September	59	27	31	38	156	148	149	27
October	57	25	30	36	147	143	148	r 29
November	63	28	31	39	161	152	149	32
December	50	21	25	39	135	146	151	31
1994 —								
January	40	11	23	25	98	155	153	26
February	60	24	29	38	150	159	154	20
1992-93: July to Feb.	439	188	210	259	1,096	..	..	199
1993-94: July to Feb.	457	193	227	290	1,167	..	..	217

(a) See paragraph 5 of Explanatory Notes. (b) See paragraph 6 to 8, Explanatory Notes.

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

Period	NSW and ACT	Vic.	WA	Other States	Australia		Total
					Terracotta (662.51)	Concrete (663.46)	
1990-91	7,245	4,296	2,733	5,546	3,898	15,922	19,820
1991-92	r 7,693	3,666	2,977	6,756	3,579	17,513	21,092
1992-93	r 8,821	4,056	3,669	7,312	3,652	20,206	23,858
1992 —							
December	724	357	305	538	259	1,664	1,923
1993 —							
January	236	150	215	200	167	634	801
February	772	278	293	649	249	1,742	1,991
March	946	373	341	795	320	2,136	2,455
April	581	352	293	619	312	1,534	1,845
May	817	407	330	650	344	1,860	2,204
June	r 782	371	329	683	342	1,823	2,165
July	741	367	341	684	322	1,811	r 2,132
August	759	327	324	660	320	r 1,749	r 2,069
September	775	288	335	r 760	312	r 1,846	r 2,157
October	725	338	346	r 712	324	r 1,796	r 2,120
November	780	375	401	r 731	311	r 1,976	r 2,286
December	614	222	326	572	237	1,497	1,734
1994 —							
January	287	30	285	293	179	716	895
February	682	240	351	660	228	1,706	1,935
1992-93: July to Feb.	5,695	2,552	2,376	4,564	2,335	12,854	15,188
1993-94: July to Feb.	5,362	2,186	2,709	5,072	2,233	13,097	15,329

(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, PORTLAND CEMENT CLINKER, CONCRETE BLOCKS, BRICKS AND PAVERS AND REFRACTORY CONSTRUCTION MATERIALS
(*000 tonnes)

Period	Portland cement and blended portland cement (661.22)			Portland cement clinker (661.21)	Refractory bricks and other refractory construction materials (662.30)	Concrete blocks bricks and pavers (663.65)
	Original	Seasonally adjusted (a)	Trend (b)			
1990-91	6,110	..	..	5,599	136	1,903
1991-92	5,731	..	..	5,272	121	1,749
1992-93	6,225	..	..	5,466	128	r 1,858
1992 — December	498	512	501	431	11	141
1993 —			r			
January	404	573	513	430	9	93
February	510	554	524	411	10	154
March	536	515	534	514	12	177
April	508	527	541	513	11	148
May	613	577	542	381	12	168
June	546	542	541	464	11	176
July	558	527	538	552	10	171
August	572	544	538	591	10	r 174
September	518	508	542	464	11	r 206
October	594	552	549	452	r 10	r 181
November	r 644	r 580	557	r 578	r 11	r 200
December	539	557	562	565	10	155
1994 —						
January	407	591	565	480	10	115
February	498	531	565	410	11	173
1992-93: July to Feb.	4,022	..	..	3,594	83	1,188
1993-94: July to Feb.	4,330	..	..	4,091	84	1,373

(a) See paragraph 5, Explanatory Notes. (b) See paragraph 6 to 8, Explanatory Notes.

TABLE 4. READY MIXED CONCRETE (a)
(*000 cu. m)

Period	NSW	Vic.	Qld	SA	WA (596.01)	Tas.	NT	ACT	Australia
1990-91	5,076	2,984	3,663	951	1,042	270	94	207	14,286
1991-92	4,688	2,506	3,647	856	1,000	246	116	224	13,282
1992-93	4,633	2,927	4,105	936	1,234	254	111	275	14,475
1992 — December	328	236	341	82	100	23	8	17	1,135
1993 —									
January	277	186	257	70	84	18	7	12	912
February	374	234	322	76	96	20	6	23	1,151
March	417	293	343	93	116	27	10	25	1,324
April	371	266	321	78	99	22	9	23	1,190
May	439	289	354	83	109	24	10	26	1,334
June	387	259	387	79	109	21	11	28	1,281
July	380	259	380	81	107	19	11	24	1,260
August	408	235	393	80	109	21	13	26	1,285
September	r 401	220	r 391	80	119	20	12	25	r 1,266
October	r 408	246	r 406	74	118	22	11	24	r 1,309
November	r 422	245	r 427	81	121	20	11	23	r 1,350
December	362	232	363	76	105	21	8	17	1,185
1994 —									
January	290	181	308	60	90	19	8	15	972
February	364	235	359	80	111	24	7	21	1,202
1992-93: July to Feb.	3,017	1,820	2,700	603	800	161	72	173	9,346
1993-94: July to Feb.	3,035	1,854	3,027	613	880	167	82	175	9,829

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

TABLE 5. PARTICLE BOARDS AND SIMILAR BOARDS AND SHEETS

Period	<i>Particle board and similar boards of wood or other ligneous materials (a)</i>			
	<i>Not laminated (b)</i> (634.27)	<i>Decorative melamine or D.A.P. laminates (c)</i> (634.25)	<i>Veneer sheets and sheets for plywood</i>	
			<i>Peeled</i> (634.13)	<i>Sliced</i> (634.14)
	'000 cu.m	'000 cu.m	'000 sq.m	'000 sq.m
1990-91	625	355	26,705	2,147
1991-92	643	395	31,200	2,346
1992-93	660	423	37,819	3,175
1992 — December	48	32	2,780	243
1993 —				
January	23	21	1,756	62
February	52	32	3,004	260
March	67	38	3,587	319
April	58	37	3,393	303
May	59	36	3,536	298
June	62	39	3,371	288
July	61	39	3,504	297
August	68	42	3,632	295
September	67	38	3,640	319
October	68	41	3,787	299
November	69	42	3,583	296
December	55	36	3,164	247
1994 —				
January	32	26	2,181	105
February	57	31	3,797	289
1992-93: July to Feb.	414	273	23,933	1,966
1993-94: July to Feb.	477	295	27,287	2,147

(a) Boards, whether or not agglomerated with resins or other organic binding substances. Excludes fibreboard and fibre paperboard. (b) Includes board for subsequent conversions to other purposes. (c) Excludes decorative laminated sheets simply bonded by means of an adhesive to a substrate.

TABLE 6. STAINLESS STEEL SINKS AND CERAMIC TILES

Period	<i>Sinks (inc. combination sinks) pressed steel standard size stainless (a)</i> (697.56)	<i>Glazed ceramic flags and paving, hearth or wall tiles and glazed ceramic mosaic cubes</i> (662.45)
	1990-91	249,158	3,075
1991-92	248,138	3,355
1992-93	264,640	n.p.
1992 — December	21,116	191
1993 —		
January	10,257	127
February	23,217	248
March	26,291	294
April	22,823	317
May	25,544	293
June	19,997	n.p.
July	22,880	n.p.
August	28,408	n.p.
September	r 27,362	n.p.
October	r 27,536	n.p.
November	r 26,619	n.p.
December	20,457	n.p.
1994 —		
January	9,975	n.p.
February	23,086	n.p.
1992-93: July to Feb.	169,985	1,903
1993-94: July to Feb.	r 186,323	n.p.

(a) Excludes enamelled or galvanised sinks.

EXPLANATORY NOTES

Introduction

This publication is one of a series of ten containing monthly and quarterly production statistics. The titles of the other publications of this series are shown in paragraph 9.

Classification

2. Data contained in these publications are mostly based on monthly or quarterly collections conducted by the Australian Bureau of Statistics (ABS). Most items are identified by the commodity codes used in the Australian Standard Commodity Classification (ASCC), which was developed by the ABS to facilitate greater comparability of manufacturing production commodity statistics with import and export commodity statistics. In cases where data are derived from sources other than ABS collections no commodity code is shown and the source of the data is acknowledged in a footnote.

Scope and coverage

3. 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.

4. 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 and trend estimates

5. 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, where appropriate, 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.

6. The smoothing of seasonally adjusted series to create trend estimates is a means of reducing the impact of the irregular component of the series. The trend estimates have been derived by applying a 13-term Henderson weighted moving average to the seasonally adjusted series.

7. While this smoothing technique enables estimates of trend to be produced for the latest month, it does result in revisions to the estimates for the most recent months as

data for subsequent months become available. Generally subsequent revisions become smaller and after 3 months have little impact on the series. There will also be revisions as a result of revisions to the original estimates and annual reviews of seasonal and 'working day' factors.

8. Users may wish to refer to the ABS Information Papers *A Guide to Smoothing Time Series — Estimates of 'Trend'* (1316.0) and *Time Series Decomposition — An Overview* (1317.0) for more detailed information on smoothing of seasonally adjusted time series data.

Related publications

9. Other ABS publications which may be of interest are:

Manufacturing Production, Australia, Preliminary (8301.0) — issued monthly

Manufacturing Production, Australia, Household Appliances and Electrical Equipment (8357.0) — issued quarterly

Manufacturing Production, Australia, Clothing and Footwear (8358.0) — issued quarterly

Manufacturing Production, Australia, Food, Drink, Tobacco, Stock and Poultry Food (8359.0) — issued quarterly

Manufacturing Production, Australia, Fibres, Yarns, Fabrics, Bedding and Floor Coverings (8360.0) — issued quarterly

Manufacturing Production, Australia, Plastics, Rubber, Paints, Detergents and Industrial Chemicals (8362.0) — issued quarterly

Manufacturing Production, Australia, Transport Equipment (8363.0) — issued quarterly

Manufacturing Production, Australia, Metal Products (8367.0) — issued quarterly

Manufacturing Production, Australia, Energy Products (8368.0) — issued quarterly

Manufacturing Production, Australia, Wood and Wood Products (8369.0) — issued quarterly

Manufacturing Production, Australia: Principal Commodities Produced, 1989-90 (8365.0).

Unpublished production data is also available from the ABS Sydney office. Please contact Colin Nicholson on (02) 268 4282.

10. Current publications produced by the ABS are listed in the *Catalogue of Publications and Products, 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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- n.p. not available for separate publication (but included in totals where applicable)
- . . not applicable
- r revised since previous issue
- n.a. not available





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