



**Manufacturing Production
Australia**

Building Materials and Fittings

September 1992

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BUILDING MATERIALS AND FITTINGS
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CONTENTS

<i>Table</i>		<i>Page</i>
1.	Clay bricks	1
2.	Terracotta and concrete roofing tiles	1
3.	Portland cement, portland cement clinker, concrete blocks, bricks and pavers and refractory construction materials	2
4.	Ready mixed concrete	2
5.	Particle boards and similar boards and sheets	3
6.	Stainless steel sinks and ceramic tiles	3
..	Explanatory Notes	4

INQUIRIES

- for further information about statistics in this publication and the availability of related unpublished statistics, contact Vaughn Moore on Melbourne (03) 615 7635 or any ABS office.
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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	Australia			
					Original	Seasonally adjusted (a)	Trend (b)	
1989-90	786	476	308	536	2,077	..	..	258
1990-91	725	375	278	387	1,765	..	..	225
1991-92	666	308	286	396	1,655	..	..	259
1991 —								
July	59	27	26	34	146	134	135	21
August	58	25	24	34	141	133	135	22
September	62	24	25	27	137	136	137	23
October	60	31	27	37	155	140	139	23
November	60	27	24	36	147	143	141	23
December	53	22	20	33	128	144	142	22
1992 —								
January	41	8	16	28	92	139	142	26
February	53	25	23	35	136	142	140	22
March	62	31	27	40	159	142	137	18
April	49	26	24	32	131	133	r 135	22
May	53	28	24	28	134	126	135	20
June	55	33	27	33	148	140	r 136	18
July	56	29	28	33	146	137	r 139	22
August	57	27	27	34	144	141	r 143	21
September	67	31	31	38	167	156	147	20
1991-92: July to Sep.	179	77	74	94	424	..	..	66
1992-93: July to Sep.	180	87	86	104	457	..	..	63

(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)	
1989-90	7,547	5,473	4,260	5,881	4,343	18,819	23,161
1990-91	7,245	4,296	2,733	5,546	3,898	15,922	19,820
1991-92	7,693	3,666	2,977	6,756	3,579	17,513	21,092
1991 —							
July	654	368	232	602	378	1,479	1,857
August	612	272	232	567	321	1,362	1,683
September	675	270	237	553	312	1,423	1,735
October	755	349	259	662	350	1,675	2,025
November	672	332	259	611	310	1,565	1,875
December	543	290	231	459	216	1,308	1,523
1992 —							
January	244	126	213	307	144	746	890
February	676	331	251	590	254	1,593	1,847
March	775	341	277	645	343	1,694	2,037
April	610	295	242	554	323	1,379	1,702
May	743	341	269	580	316	1,618	1,934
June	735	350	275	625	312	1,673	1,985
July	863	369	329	679	346	1,893	2,240
August	678	336	299	585	322	1,576	1,898
September	864	395	311	694	347	1,916	2,263
1991-92: July to Sep.	1,940	911	701	1,722	1,011	4,263	5,274
1992-93: July to Sep.	2,405	1,099	938	1,958	1,015	5,385	6,400

(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 (c) (663.65)
	Original	Seasonally adjusted (a)	Trend (b)			
1989-90	7,075	..	..	5,885	135	1,902
1990-91	6,110	..	..	5,599	136	1,758
1991-92	5,709	..	..	5,272	121	
1991 —						
July	495	480	467	419	10	153
August	486	458	464	456	11	141
September	463	455	465	348	9	148
October	535	481	465	478	10	167
November	532	481	465	459	9	167
December	430	450	465	413	9	127
1992 —						
January	330	466	466	360	9	112
February	450	462	469	397	11	152
March	487	470	r 477	431	11	150
April	484	502	r 486	488	9	142
May	504	485	r 495	472	11	147
June	513	506	r 500	521	11	151
July	526	506	r 500	508	11	166
August	539	520	r 498	446	10	157
September	473	457	494	452	11	161
1991-92: July to Sep.	1,444	..	..	1,252	30	443
1992-93: July to Sep.	1,539	..	..	1,406	31	484

(a) See paragraph 5, Explanatory Notes. (b) See paragraph 6 in 8, Explanatory Notes. (c) Prior to July 1990, details of concrete bricks and concrete blocks were collected in millions. See the June 1990 issue for details.

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

Period	NSW	Vic.	Qld	SA	WA (596.01)	Tas.	NT	ACT	Australia
1989-90	5,476	4,351	3,922	1,117	1,400	315	89	271	16,941
1990-91	5,076	2,971	3,512	951	1,042	270	94	207	14,123
1991-92	4,687	2,476	3,532	856	1,000	246	116	224	13,136
1991 —									
July	375	194	317	72	79	24	11	15	1,086
August	429	178	323	68	92	18	9	17	1,132
September	399	172	317	67	80	21	8	14	1,082
October	433	236	337	r 83	94	26	12	23	1,244
November	444	222	339	80	86	23	11	21	1,224
December	305	174	245	64	69	16	9	13	897
1992 —									
January	310	173	248	53	68	17	10	13	892
February	322	219	238	67	80	20	9	20	973
March	448	231	302	74	83	22	12	24	1,198
April	447	236	252	75	81	18	8	20	1,030
May	411	229	328	78	99	20	9	20	1,195
June	451	269	352	80	107	18	10	22	1,183
July	365	211	302	69	87	18	9	24	1,138
August	386	217	328	69	87	18	12	23	1,162
September	416	187	333	63	109	18	12	23	1,162
1991-92: July to Sep.	1,203	545	957	207	250	63	27	46	3,299
1992-93: July to Sep.	1,253	674	1,013	212	303	54	32	76	3,617

(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	Particle board and similar boards of wood or other ligneous materials (a)				
	Not laminated (b) (634.27)	Decorative melamine or D.A.P. laminates (c) (634.23)		Veneer sheets and sheets for plywood	
				Peeled (634.13)	Sliced (634.14)
	'000 cu.m	'000 cu.m	'000 sq.m	'000 sq.m	
1989-90	768	400	n.p.	1,620	
1990-91	625	382	26,705	2,120	
1991-92	644	396	31,101	1,913	
1991 —					
July	59	39	2,634	128	
August	55	33	2,973	165	
September	53	33	2,422	117	
October	69	42	2,819	133	
November	56	36	2,765	154	
December	39	25	2,312	124	
1992 —					
January	32	23	1,590	26	
February	51	34	2,732	176	
March	58	35	2,703	203	
April	59	36	2,246	189	
May	61	31	2,773	252	
June	52	29	3,132	247	
July	55	33	3,337	252	
August	56	35	3,125	289	
September	65	41	3,263	259	
1991-92: July to Sep.	167	105	8,029	410	
1992-93: July to Sep.	175	110	9,726	799	

(a) Boards, whether or not agglomerated with resins or other organic binding substances. Excludes fibreboard and fibre paperboard. (b) Includes board for subsequent conversion 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	Sinks (inc. combination sinks) pressed steel standard size stainless (a) (697.36) number	Glazed ceramic
		flogs and paving, hearth or wall tiles and glazed ceramic mosaic cubes (662.45) '000 sq.m
1989-90	285,461	n.p.
1990-91	248,927	3,248
1991-92	248,101	3,549
1991 —		
July	17,720	357
August	18,001	320
September	20,010	299
October	23,519	350
November	21,796	304
December	13,057	238
1992 —		
January	12,040	89
February	23,770	328
March	24,627	325
April	22,216	316
May	24,509	311
June	26,836	311
July	23,034	346
August	23,447	290
September	23,493	273
1991-92: July to Sep.	55,731	976
1992-93: July to Sep.	69,974	909

(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 monthly

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

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

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

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

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

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

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

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

Manufacturing Commodities : Selected Principal Articles Produced, Australia 1986-87, Preliminary (8365.0)

Manufacturing Commodities : Principal Articles Produced, Australia 1986-87 (8303.0)

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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