

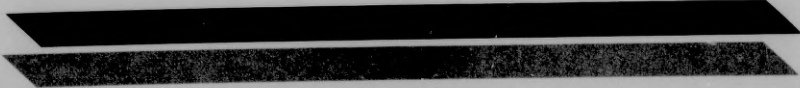


Manufacturing Production Australia

Building Materials and Fittings

June 1992

Catalogue No. 8361.0



EMBARGOED UNTIL 11:30 A.M. 20 AUGUST 1992

MANUFACTURING PRODUCTION, AUSTRALIA
BUILDING MATERIALS AND FITTINGS
JUNE 1992

IAN CASTLES
Australian Statistician

© Commonwealth of Australia 1992

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- *for further information about statistics in this publication and the availability of related unpublished statistics, contact Vaughn Moore on Melbourne (03) 615 7635 or any ABS office.*
 - *for information about other ABS statistics and services please refer to the back page of this publication.*
-

TABLE 1. CLAY BRICKS
(million)

Period	NSW and ACT	Vic.	Qld	Other States	For structural purposes (662 46 47)			For other purposes (incl. pavers) (662 48)
					Original	Australia Seasonally adjusted (a)	Trend (b)	
1989-90	756	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 —						r		
April	64	33	23	30	151	146	139	20
May	65	30	25	35	156	140	137	17
June	57	28	22	22	129	131	r 136	20
July	59	27	26	34	146	134	r 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	140	23
November	60	27	24	36	147	143	r 141	23
December	53	22	20	33	128	144	r 142	22
1992 —						r		
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	r 138	18
April	49	26	24	32	131	133	r 136	22
May	53	28	24	28	134	126	r 134	20
June	55	33	27	33	148	140	133	18

(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 —							
April	531	314	221	425	306	1,186	1,492
May	778	439	255	551	399	1,624	2,023
June	490	352	210	470	347	1,175	1,522
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

(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	
1990-91	6,110	..	..	5,599	136	1,902
1991-92	5,709	..	..	5,272	121	1,757
1991 —		r	r			
April	471	483	489	394	9	146
May	534	509	480	509	12	179
June	436	434	472	467	9	131
July	495	480	467	419	10	153
August	486	458	464	486	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 —		r	r			
January	330	466	466	360	9	112
February	450	462	470	397	11	151
March	487	470	476	431	11	149
April	484	502	484	488	9	142
May	504	485	492	472	11	146
June	513	506	500	521	11	155

(a) See paragraph 5, Explanatory Notes. (b) See paragraph 6 to 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 —									
April	368	234	275	74	76	23	6	13	1,069
May	409	251	282	86	85	27	9	18	1,166
June	342	166	282	65	71	17	12	14	968
July	375	194	317	72	79	24	11	15	1,086
August	429	178	323	68	92	18	9	14	1,132
September	399	172	317	67	80	21	8	17	1,082
October	433	236	337	84	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	14	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	365	211	r 252	75	81	18	8	20	r 1,030
May	447	236	287	78	99	20	9	20	1,195
June	411	229	328	75	89	20	10	22	1,183

(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) (634.25)	Veneer sheets and sheets for plywood		Reinforced, rigid plastic sheeting plates, boards and panels (582.93)
			Peeled (634.13)	Sliced (634.14)	
	'000 cu.m	'000 cu.m	'000 sq.m	'000 sq.m	'000 sq.m
1989-90	768	400	n.p.	1,620	4,037
1990-91	625	382	26,705	2,120	n.p.
1991-92	644	396	31,101	1,913	n.p.
1991 —					
April	46	21	n.p.	156	n.p.
May	59	29	2,649	147	n.p.
June	47	28	2,252	134	n.p.
July	59	39	2,634	128	n.p.
August	55	33	2,973	165	n.p.
September	53	33	2,422	117	n.p.
October	69	42	2,819	133	n.p.
November	56	36	2,765	154	n.p.
December	39	25	2,312	124	n.p.
1992 —					
January	32	23	1,590	26	n.p.
February	51	34	2,732	176	n.p.
March	58	35	2,703	203	n.p.
April	59	36	2,246	189	n.p.
May	61	31	2,773	252	n.p.
June	52	29	3,132	247	n.p.

(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	Sinks (inc. combination sinks) pressed steel standard size stainless (a) (697.56)	Glazed ceramic flags and paving, hearth or wall tiles and glazed ceramic mosaic cubes (662.45)
	number	'000 sq.m
1989-90	285,461	n.p.
1990-91	248,927	3,248
1991-92	248,101	3,549
1991 —		
April	20,370	284
May	25,832	370
June	19,569	298
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

(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. As happens with all seasonally adjusted series the seasonal factors are reviewed annually to take account of each additional year's original data. The results of the latest review were used to compile the revised seasonally adjusted and trend estimates contained in this bulletin. Regular subscribers can obtain a complimentary copy of the full revised series 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.

Symbols and other usages

- n.p. not available for separate publication (but included in totals where applicable)
- .. not applicable
- r revised since previous issue
- n.a. not available



For more information ...

The ABS publishes a wide range of information on Australia's economic and social conditions. A catalogue of publications and products is available from any of our Offices (see below for contact details).

Information Consultancy Service

Special tables or in-depth data investigations are provided by the ABS Information Consultancy Service in each of our Offices (see below for contact details).

Electronic Data Services

A growing range of our data are available on electronic media. Selections of the most frequently requested data are available, updated daily, on DISCOVERY (Key *656#). Our TELESTATS service delivers major economic indicator publications ready to download into your computer on the day of release. Our AUSSTATS service enables on-line access to a data base of thousands of up-to-date time series. Selected datasets are also available on diskette or CD-ROM. For more details on our electronic data services, contact Information Services in any of our Offices on the numbers below.

Bookshops and Subscriptions

There are over 500 titles available from the ABS Bookshops in each of our Offices. You can also receive any of our publications on a regular basis. Join our subscription mailing service and have your publications mailed to you in Australia at no additional cost. Telephone our Publications Subscription Service toll free on 008 02 06 08 Australia wide.

Sales and Inquiries



SYDNEY (02) 268 4611
MELBOURNE (03) 615 7000
BRISBANE (07) 222 6351
PERTH (09) 323 5140

ADELAIDE (08) 237 7100
HOBART (002) 20 5800
DARWIN (089) 81 3456
CANBERRA (06) 252 6627



Information Services, ABS, PO Box 10, Belconnen ACT 2616
or any ABS State office.

