



PRICE INDEX OF MATERIALS USED IN BUILDING OTHER THAN HOUSE BUILDING SIX STATE CAPITAL CITIES AND DARWIN SEPTEMBER 1983

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MAIN FEATURES

	Change between—	
	August 83 and Sept. 83	Sept. 82 and Sept. 83
All groups index	%	%
Weighted average of six State capital cities	+0.8	+5.9
Sydney	+0.8	+5.5
Melbourne	+0.7	+4.8
Brisbane	+1.1	+8.2
Adelaide	+0.7	+6.9
Perth	+0.6	+5.8
Hobart	+0.8	+8.3
Darwin	+0.8	+7.7

The main price changes between August 1983 and September 1983 were:

Prices of ductwork and registers used in air conditioning increased in all cities, mainly due to sales tax increases.

Prices of mains cable increased in all cities.

Prices of structural steel increased in all cities except Adelaide and Hobart.

Prices of clay bricks increased in all cities except Brisbane and Darwin.

Overall, sales tax increases accounted for an increase of 0.3% between August 1983 and September 1983.

NOTES: (1) The effects of sales tax changes on the September 1983 index numbers are described in the Appendix to this publication. (2) As far as possible, actual transaction prices are used in this index. Recent investigations revealed that increases in discount levels for some items of electrical equipment occurred during the last 10 months and had not previously been detected. Index numbers affected have been revised in this issue.

EXPLANATORY NOTES

Introduction

This publication contains the Price Index of Materials Used in Building Other than House Building on reference base 1979-80 = 100.0 for the six State capital cities and 1981-82 = 100.0 for Darwin. The Appendix to the February 1981 issue of this publication contains a more detailed description of the index and its relationship with previous indexes. A detailed description of the previous index is contained in *Labour Report No. 58, 1973*.

Scope and composition

2. The index measures changes in prices of selected materials used in the construction of buildings other than houses. It includes 68 items for the six State capital cities and 64 items for Darwin, which are combined into 10 industry of origin groups and an 'All groups' index. Table 1 presents 'All groups' index numbers for the weighted average of the six State capital cities and for each of the cities separately. Although many of the selected materials are also used in house building, in building repair, maintenance and alteration work, and in engineering construction work (e.g. projects such as roads, dams, bridges and the like), the weighting pattern of the index is not applicable to these other activities of the construction industry. In addition, since the weights are based on an average materials usage over a range of types of building within the defined area (building other than house building), the index is not necessarily applicable to any specific building or type of building.

Items and weights

3. The index is a fixed weights index. For the six State capital cities the items were selected and allocated weights in accordance with the estimated average values of materials used in the construction of buildings other than houses commenced in the six State capital cities in the three years ended June 1977. The same weighting pattern is used for each of the six capital cities. Copies of the weighting patterns for the 'All groups' index and the indexes in Table 5 of this publication are available from the ABS on request.

4. The weighting patterns for the new Darwin index are based on the same information used to construct the weighting patterns for the other capital cities, adjusted to account for differences in material usage and differences in price levels between Darwin and the other cities. The list of selected items as well as the weights of the items for Darwin are slightly different from those for the other capital cities. Copies of the weighting patterns for Darwin for the 'All groups' index and the indexes in Table 7 are available on request from the ABS.

5. The weighting patterns referred to in paragraphs 3 and 4 are applied to local price measures for calculating index numbers for each capital city.

Classifications used

6. For the weighted average of the six State capital cities the selected materials have been combined into broad groups on an industry of origin basis. Table 2

presents index numbers for groups defined in terms of the Groups (3 digit-level) of the 1978 edition of the *Australian Standard Industrial Classification* (ASIC); the percentage contributions for individual materials and groups are shown in Table A1 of the Appendix to the February 1981 issue of this publication. The 'industry of origin' is not necessarily identical with the industry which supplies the materials to builders. The 'industry of origin' is the industry in which the material is *primarily produced*, determined in accordance with the classification rules of the ASIC. For instance, many of the materials are sold to builders by wholesalers, but the materials are classified to the appropriate producing industries, rather than the wholesale trading industries. Some materials used in constructing buildings in Australia are imported. Imported materials are allocated to the same industry of origin as Australian produced materials.

Prices

7. Prices are collected at the mid-point of the month to which the index refers, or the nearest trading day. They relate to specified standards of each material and are obtained from representative suppliers of materials used in building. In general the point of pricing is *delivered on site* but in some cases it has been necessary to use the nearest realistic price available, e.g. 'delivered to electrical contractor's store'. Local prices are used in the indexes for each capital city. As far as possible, *actual transaction prices* are used in the index as distinct from 'list prices'.

8. Sales taxes levied on building materials are included in the prices used to compile the index. Materials used in the construction of Commonwealth, State and Local Government owned buildings are exempt from sales tax; materials used in most non-government 'health' and 'education' buildings are also exempt. At any particular time when there is a change in the rate of sales tax on building materials, the movement in the index takes into account the proportion of materials sold subject to sales tax and the proportion of materials exempt from sales tax.

9. The appendix to this issue explains more fully the treatment of sales tax. The conversion factors published in Tables 1 and 2 of the Appendix allow users, if they wish to do so, to convert published index numbers for September 1983 and subsequent months to either include the full effects of sales tax changes or exclude entirely the effects of sales tax changes. Conversion factors for the period September 1981 to August 1982 and September 1982 to August 1983 are available from the ABS on request.

10. The Appendix to the February 1981 issue of this publication contains detailed explanations of:

- (a) treatment of discounts
- (b) measurement of price change for materials supplied to individual order.

Index numbers for selected materials

11. Table 3 contains index numbers for selected materials used in constructing buildings other than houses for the weighted average of the six State capital cities. In general these indexes relate to either single items

or combinations of items as shown in the weighting pattern published in Table A1 of the Appendix to the February 1981 issue of this publication. Table 4 contains index numbers for selected major materials for each State capital city separately. Table 6 contains corresponding index numbers for Darwin.

Index numbers for special combinations of materials

12. Table 5 contains index numbers for the following special combinations of materials, for each State capital city and the weighted average of the six State capital cities.

- (a) 'All groups excluding electrical materials and mechanical services components'. This index series is a continuation of the series described as the 'Special purpose' index in publications prior to the February 1981 issue.
- (b) 'Electrical materials'. This index series is a continuation of the 'Electrical installation materials' series previously released in the publication *Price Index of Electrical Installation Materials* (6409.0) discontinued in February 1981.
- (c) 'Mechanical services components'.
- (d) 'Plumbing materials'.

Table 7 contains corresponding index numbers for Darwin.

Percentage changes

13. Table 1 shows price movements expressed in terms of percentage changes. The following example illustrates the method of calculating percentage changes, with reference to Table 1.

Weighted average of six State capital cities—

Index number as at July 1983—r144.6
Index number as at June 1983—r144.2

$$\text{Percentage change} = \frac{r144.6 - r144.2}{r144.2} \times 100 = r0.3\%$$

Interpretation

14. The indexes are subject to frequent uneven short term changes which do not necessarily indicate changes in trend. As a result changes in index numbers for individual months should not be interpreted in isolation and without reference to changes over longer periods.

15. The separate city indexes measure price movements over time in each capital city individually. They do not measure differences in price levels between cities.

16. Index numbers for financial years are simple averages of monthly index numbers. All index numbers for the current month and the previous month are preliminary and subject to revision.

Related publications

17. Users may also wish to refer to the following price index publications which are available on request:

Price Index of Materials Used in House Building, Six State Capital Cities (6408.0)—issued monthly

Price Index of Materials Used in Manufacturing Industry, Australia (6411.0)—issued monthly

Price Indexes of Articles Produced by Manufacturing Industry, Australia (6412.0)—issued monthly

Price Indexes of Metallic Materials, Australia (6410.0)—issued monthly

18. Other ABS publications which may be of interest include:

Award Rates of Pay Indexes, Australia, (6312.0)—issued monthly

Average Weekly Earnings, Australia (6302.0)—issued quarterly

19. 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

- p preliminary—figures subject to revision
- n.a. not available
- r figures revised since previous issue

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TABLE 1. PRICE INDEX OF MATERIALS USED IN BUILDING OTHER THAN HOUSE BUILDING—ALL GROUPS

	Weighted average of six State capital cities	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin
INDEX NUMBERS								
Base Year:	1979-80=100.0							1981-82=100.0
1980-81	112.9	113.1	112.7	113.2	113.8	112.2	111.6	n.a.
1981-82	125.4	126.6	123.6	126.3	127.4	123.8	122.9	100.0
1982-83	r140.4	r142.1	r136.7	142.2	144.5	r139.1	r136.3	111.3
1982-83—	r	r	r	r	r	r	r	
August	137.0	138.9	134.4	137.3	138.7	136.1	132.2	107.9
September	138.1	140.1	135.1	138.5	141.1	137.0	133.3	108.9
October	138.6	141.0	134.3	139.8	142.6	137.6	134.5	109.5
November	139.2	141.3	134.7	140.6	143.9	138.5	135.2	110.0
December	140.2	142.1	136.2	141.6	144.9	139.3	135.8	110.7
January	141.2	142.8	137.5	143.1	145.8	140.0	136.0	111.9
February	141.6	143.3	137.8	143.4	146.2	140.3	136.8	112.6
March	142.3	143.8	138.6	144.8	147.2	140.6	138.4	113.2
April	142.9	144.4	139.0	145.9	147.8	140.3	139.4	114.0
May	143.6	144.9	139.6	147.0	148.3	141.6	140.6	114.6
June	144.2	145.7	139.9	147.4	149.1	142.8	142.0	114.8
1983-84—								
July p	144.6	146.0	140.2	147.8	149.3	143.3	142.6	115.8
August p	145.1	146.6	140.6	148.2	149.9	144.1	143.2	116.4
September p	146.2	147.8	141.6	149.9	150.9	145.0	144.4	117.3
PERCENTAGE CHANGES								
Change from previous year—								
1980-81	+12.9	+13.1	+12.7	+13.2	+13.8	+12.2	+11.6	n.a.
1981-82	+11.1	+11.9	+9.7	+11.6	+12.0	+10.3	+10.1	n.a.
1982-83	+12.0	r+12.2	r+10.6	+12.6	+13.4	+12.4	r+10.9	+11.3
Change from corresponding month of previous year—								
1982-83—	r	r	r	r	r	r	r	
August	+14.5	+15.2	+13.4	+14.4	+14.4	+15.3	+12.6	+13.5
September	+14.5	+15.3	+13.1	+14.4	+15.6	+15.0	+12.3	+13.2
October	+14.3	+15.1	+12.0	+14.7	+16.0	+15.0	+12.9	+13.0
November	+13.9	+14.4	+11.7	+14.5	+16.3	+14.7	+12.8	+12.6
December	+14.2	+14.6	+12.5	+14.7	+16.8	+14.2	+12.5	+11.8
January	+13.0	+13.0	+11.8	+13.4	+15.3	+13.3	+11.7	+11.1
February	+11.0	+11.2	+10.2	+10.8	+11.7	+11.9	+9.6	+10.6
March	+9.6	+9.4	+8.8	+10.6	+11.3	+9.9	+9.1	+9.4
April	+9.1	+8.9	+7.9	+10.4	+11.0	+9.1	+8.4	+9.5
May	+8.7	+8.6	+7.6	+10.3	+10.4	+8.7	+8.6	+9.6
June	+7.9	+8.1	+6.5	+8.9	+9.3	+7.6	+8.6	+8.7
1983-84—								
July p	+6.6	+6.6	+5.0	+8.4	+8.3	+6.1	+8.3	+7.6
August p	+6.0	+5.5	+4.6	+7.9	+8.1	+5.9	+8.3	+7.9
September p	+5.9	+5.5	+4.8	+8.2	+6.9	+5.8	+8.3	+7.7
Change from previous month—								
1982-83—	r	r	r	r	r	r	r	
August	+1.0	+1.5	+0.7	+0.7	+0.7	+0.7	+0.4	+0.3
September	+0.8	+0.9	+0.5	+0.9	+1.7	+0.7	+0.8	+0.9
October	+0.4	+0.6	-0.6	+0.9	+1.1	+0.4	+0.9	+0.6
November	+0.4	+0.2	+0.3	+0.6	+0.9	+0.7	+0.5	+0.5
December	+0.7	+0.6	+1.1	+0.7	+0.7	+0.6	+0.4	+0.6
January	+0.7	+0.5	+1.0	+1.1	+0.6	+0.5	+0.1	+1.1
February	+0.3	+0.4	+0.2	+0.2	+0.3	+0.2	+0.6	+0.6
March	+0.5	+0.3	+0.6	+1.0	+0.7	+0.2	+1.2	+0.5
April	+0.4	+0.4	+0.3	+0.8	+0.4	-0.2	+0.7	+0.7
May	+0.5	+0.3	+0.4	+0.8	+0.3	+0.9	+0.9	+0.5
June	+0.4	+0.6	+0.2	+0.3	+0.5	+0.6	+1.0	+0.2
1983-84—								
July p	+0.3	+0.2	+0.2	r+0.3	+0.1	+0.4	+0.4	+0.9
August p	+0.3	+0.4	+0.3	r+0.3	+0.4	+0.6	+0.4	+0.5
September p	+0.8	+0.8	+0.7	+1.1	+0.7	+0.6	+0.8	+0.8

TABLE 2. INDEX NUMBERS BASED ON AUSTRALIAN STANDARD INDUSTRIAL CLASSIFICATION (ASIC)
WEIGHTED AVERAGE OF SIX STATE CAPITAL CITIES
(Base of each index: Year 1979-80 = 100.0)

	Selected ASIC Groups										All groups
	Wood and wood products (253)	Clay products and refractories (286)	Cement and concrete products (287)	Basic iron and steel (294)	Structural metal products (314)	Sheet metal products (315)	Other fabricated metal products (316)	Appliances and electrical equipment (335)	Industrial machinery and equipment (336)	Other	
Value weight(a)	7.97%	4.16%	15.42%	4.69%	29.24%	3.68%	2.77%	9.70%	8.79%	13.58%	100.00%
1980-81	114.3	114.3	113.0	113.2	113.9	114.5	112.9	109.8	111.2	112.6	112.9
1981-82	126.5	126.8	125.2	126.6	126.4	130.3	126.2	122.2	124.2	123.6	125.4
1982-83	140.2	141.2	143.4	138.9	138.3	148.5	142.5	138.5	142.3	139.2	140.4
1982-83—								r			r
August	137.5	136.9	141.9	136.3	136.1	145.9	137.8	132.5	136.4	134.2	137.0
September	139.0	139.6	142.4	136.5	136.4	146.2	138.3	134.7	138.7	136.0	138.1
October	139.0	139.9	141.5	137.3	136.7	146.5	138.8	136.3	141.3	137.0	138.6
November	139.4	140.1	140.2	138.7	138.0	147.5	139.7	136.8	141.7	137.9	139.2
December	139.5	140.1	142.3	138.8	138.7	148.7	141.1	139.7	142.2	138.7	140.2
January	140.5	141.9	145.8	138.9	139.1	149.2	142.9	140.3	142.2	139.1	141.2
February	140.7	142.4	146.1	139.7	139.1	149.8	144.2	140.3	142.5	140.5	141.6
March	141.6	144.0	145.9	140.9	139.3	150.5	145.5	141.0	144.3	142.1	142.3
April	142.4	144.2	145.2	141.3	139.1	150.8	147.1	142.0	147.2	143.5	142.9
May	143.1	144.6	144.7	141.5	140.4	151.4	148.0	143.3	147.6	144.5	143.6
June	143.7	145.2	145.0	141.6	141.4	151.8	148.8	144.7	147.5	145.0	144.2
1983-84—											
July p	143.9	146.3	144.7	141.7	141.6	153.3	152.0	144.9	147.6	145.7	144.6
August p	145.6	147.2	144.5	142.7	142.1	154.2	153.3	144.8	147.7	146.4	145.1
September p	146.4	149.1	144.2	142.7	142.9	166.2	154.1	147.1	148.8	146.6	146.2

(a) Composition and weighting pattern as at reference base year 1979-80, see paragraph 3 of explanatory notes.

TABLE 3. INDEX NUMBERS FOR SELECTED BUILDING MATERIALS
WEIGHTED AVERAGE OF SIX STATE CAPITAL CITIES
(Base of each index: Year 1979-80 = 100.0)

Material	1982-83												1983-84			
	1981-82	1982-83	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July p	August p	Sept. p
Structural timber	123.4	134.0	131.3	131.9	131.9	131.8	132.0	133.5	134.3	135.7	137.2	138.2	139.7	140.2	r141.2	141.9
Hardwood	129.8	141.1	138.8	139.2	139.2	139.2	139.4	141.7	142.2	143.0	143.4	143.4	145.1	145.6	r146.8	147.2
Softwood	111.8	121.4	117.9	118.6	118.6	118.6	118.6	118.9	120.1	122.5	126.1	128.9	130.0	130.4	r131.1	132.5
Plywood, hardboard and softboard	123.4	138.7	135.6	137.9	138.0	138.7	138.6	138.8	138.5	141.1	141.8	142.0	142.6	143.1	r143.3	144.9
Joinery products(a)	127.7	142.0	139.3	141.0	141.0	141.6	141.6	142.5	142.6	143.4	143.9	144.5	144.9	145.1	r147.0	147.8
Clay bricks	128.3	145.5	141.1	144.4	144.7	144.9	144.9	146.6	146.6	148.6	148.6	148.6	148.6	148.7	r149.7	152.5
Earthenware pipes and fittings	135.5	154.4	148.3	151.9	151.9	151.9	151.9	155.9	157.7	157.8	157.8	159.9	159.9	165.9	r166.2	166.3
Ceramic tiles	117.0	120.2	118.7	118.7	118.7	119.0	118.6	118.6	120.0	121.1	122.1	123.2	126.0	126.6	r126.9	127.2
Toilet suites and hand basins	130.8	144.6	137.5	140.8	141.6	141.8	142.1	147.5	148.4	148.8	149.0	149.9	151.0	157.8	r159.1	159.1
Cement	132.1	152.3	145.8	146.0	148.1	148.4	150.0	157.1	157.3	157.3	157.3	157.3	156.8	156.8	r157.2	157.9
Ready mixed concrete	123.7	143.3	142.4	142.6	141.1	138.8	141.7	146.3	146.5	146.2	145.1	144.3	144.7	144.3	r143.9	143.3
Precast concrete products	125.4	141.1	138.3	139.6	139.7	140.4	141.4	142.2	142.5	142.9	143.0	143.5	143.8	144.2	r144.4	144.6
Concrete masonry blocks	134.3	146.4	146.1	148.0	147.7	148.0	147.0	146.6	147.2	145.6	146.2	145.0	144.3	142.7	r143.1	143.2
Galvanised steel decking, cladding, etc.	127.3	138.7	136.3	136.2	137.5	138.8	138.7	138.7	140.3	141.0	140.9	140.5	139.9	139.8	r141.7	141.4
Cast iron pipes and fittings	129.2	148.9	145.6	146.6	146.6	146.6	146.7	147.1	147.8	148.5	153.2	156.0	156.8	157.5	r157.6	157.8
Structural steel	128.1	138.9	138.3	138.5	138.2	139.5	139.9	139.8	139.7	139.2	138.1	138.9	138.6	138.3	r138.6	139.6
Reinforcing steel bar, fabric and mesh	126.4	139.0	134.9	134.9	134.8	137.8	139.5	140.2	140.5	140.9	140.6	143.3	146.0	146.2	r147.4	148.4
Aluminum windows	126.3	138.0	135.0	135.6	136.9	137.5	138.0	138.1	138.2	139.3	139.5	140.7	142.1	142.6	r143.2	144.5
Aluminum screens, doors, louvers and other fabricated products	128.4	142.4	138.7	139.2	141.3	142.1	142.4	142.7	143.1	144.1	144.1	145.3	146.7	148.1	r148.9	150.2
Steel windows, doors, louvers, etc.	128.7	142.3	140.1	140.9	141.2	141.5	142.8	142.9	143.0	142.9	143.3	143.6	145.6	146.2	r146.2	146.7
Urinals, baths and sinks	127.0	137.0	133.8	135.1	135.2	136.3	136.6	136.5	136.8	137.8	139.4	141.1	142.1	142.8	r142.8	143.2
Builders' hardware (e.g. hinges, catches, handles, bolts, nails, etc.)	127.7	144.7	140.4	141.0	141.2	142.5	143.5	144.9	146.6	147.5	149.1	149.5	150.4	152.6	r152.9	153.6
Sand, aggregate and filling	140.2	167.4	163.8	166.0	166.6	166.8	167.2	168.0	168.3	170.5	171.3	171.3	171.7	173.3	r174.6	174.7
Carpet	121.1	126.6	124.3	126.4	126.4	126.4	126.4	126.4	127.3	127.7	127.9	128.1	128.4	128.4	r128.5	130.2
Paint	129.9	151.1	146.1	146.4	148.2	150.0	150.2	150.2	152.8	156.1	156.4	156.9	156.9	156.9	r158.3	160.1
Asphalt	136.9	159.3	157.1	158.0	158.4	158.9	158.9	159.2	160.7	161.6	162.0	162.7	162.7	162.7	r163.5	163.8
Glass	123.8	135.7	134.2	134.1	135.1	135.2	135.3	135.5	136.2	136.5	137.1	137.1	137.5	137.6	r137.8	136.1
Plaster and plaster products	127.1	145.4	141.8	142.2	142.5	142.6	142.8	143.3	149.0	149.0	149.1	150.8	151.3	151.3	r151.6	151.7
Asbestos cement products	128.5	143.3	136.8	140.9	141.2	141.3	144.9	146.2	146.2	146.2	146.2	146.2	146.6	148.5	r149.0	149.0
Non-ferrous pipes	95.2	106.0	100.5	100.6	100.6	102.3	104.1	104.7	106.8	109.7	112.9	116.5	116.2	116.4	r115.9	115.2
Vinyl sheet and tiles	117.6	125.5	121.2	123.6	123.6	125.8	126.2	125.6	125.9	126.1	127.8	128.9	130.0	130.4	r131.3	132.4

(a) Includes built in furniture, partitions, ready made windows and doors, and other joinery.

TABLE 4. INDEX NUMBERS FOR SELECTED MAJOR BUILDING MATERIALS
(Base of each index: Year 1979-80 = 100.0)

	Structural timber	Clay bricks	Ready mixed concrete	Precast concrete products	Galvanised steel decking, cladding, etc.	Reinforcing steel bar, fabric and mesh	Aluminium windows	Steel windows, doors, louvres, etc.	Builders' hardware	Sand, aggregate and filling	Carpet	Paint	Non-ferrous pipes	
SYDNEY														
1980-81	109.1	112.1	113.5	111.5	113.9	114.0	113.8	114.9	114.0	112.9	126.0	110.7	118.1	94.9
1981-82	119.6	123.0	129.8	127.2	127.5	126.1	125.3	131.9	130.4	126.7	157.6	120.8	128.1	94.7
1982-83	132.8	134.6	153.6	143.1	142.3	136.6	138.5	141.5	145.4	139.3	194.1	127.1	150.1	104.6
1982-83—														
August	129.9	134.0	155.3	139.6	137.7	135.7	134.8	138.5	143.7	135.3	191.7	124.8	144.6	99.6
September	130.1	134.0	155.5	141.9	137.7	135.7	134.8	139.6	143.9	135.3	195.3	126.8	144.6	99.6
October	130.1	134.0	157.4	141.9	139.9	135.7	134.8	140.7	144.5	135.3	195.6	126.8	147.2	99.6
November	130.1	134.7	152.2	142.2	142.3	137.4	136.9	140.7	144.6	136.2	195.6	126.8	148.7	101.2
December	130.5	134.7	152.7	143.8	142.3	138.0	139.7	140.7	145.9	136.4	195.6	126.8	148.7	102.0
January	131.8	134.7	155.9	144.4	142.3	137.8	139.7	140.7	146.0	138.7	195.6	126.8	148.7	102.4
February	132.5	134.7	156.0	144.6	145.4	137.7	139.7	141.1	146.0	142.2	195.6	128.2	153.1	105.1
March	133.8	135.4	155.6	144.6	145.4	137.7	139.7	141.3	145.3	142.2	195.6	128.2	155.3	107.4
April	135.7	135.4	154.3	145.0	145.4	136.0	139.7	142.0	145.7	144.6	197.1	128.6	155.8	111.9
May	138.3	135.4	150.1	145.3	145.6	136.1	142.5	146.3	145.8	144.6	197.1	128.6	156.0	115.0
June	140.6	135.4	150.2	145.3	145.6	135.7	145.3	147.4	150.4	145.3	197.6	128.6	156.0	113.8
1983-84—														
July p	140.6	135.4	149.9	145.3	145.6	136.3	145.4	148.2	150.6	145.3	197.6	128.6	156.7	114.2
August p	140.6	136.6	150.2	145.0	148.6	136.0	145.4	149.3	150.7	146.1	199.8	128.9	157.7	114.1
September p	141.2	137.5	149.9	145.1	148.6	136.5	146.4	151.1	152.2	147.3	199.8	130.9	159.0	113.0
MELBOURNE														
1980-81	116.0	115.8	115.2	110.6	112.7	113.5	115.9	108.0	113.5	110.1	109.6	118.4	95.2	
1981-82	122.2	131.1	116.7	121.3	126.8	125.8	127.8	119.7	124.2	128.1	122.3	118.1	131.2	96.2
1982-83	127.0	160.7	128.4	132.4	129.3	132.2	138.4	130.0	134.9	148.8	141.0	122.9	152.4	109.5
1982-83—														
August	124.4	151.6	131.8	130.8	132.0	134.1	133.5	128.1	133.9	144.7	139.1	121.1	147.2	103.1
September	124.8	160.0	129.3	131.7	131.3	133.2	133.5	128.1	133.9	145.8	139.9	122.8	148.0	103.2
October	124.8	160.8	116.6	131.7	130.5	132.9	133.5	128.9	134.3	145.8	140.2	122.8	149.9	103.2
November	124.8	160.8	114.9	132.0	129.7	132.9	137.2	128.9	135.0	148.2	140.2	122.8	151.6	105.1
December	124.8	160.8	124.1	132.2	129.0	132.8	137.9	128.9	135.2	148.6	140.2	122.8	151.6	107.6
January	128.4	160.6	132.3	132.6	128.2	132.5	139.8	129.1	135.2	148.9	141.7	122.8	151.6	108.4
February	128.4	160.8	133.6	132.9	127.5	132.1	140.4	129.1	135.2	149.7	142.3	123.7	153.2	110.8
March	130.0	166.7	133.0	133.8	129.4	130.7	141.1	132.4	135.2	150.6	142.3	123.7	157.1	114.6
April	129.3	166.7	132.2	133.8	128.7	130.2	140.1	132.4	135.6	152.4	142.3	123.9	157.1	116.9
May	129.4	166.7	131.2	134.5	127.1	130.4	143.6	132.4	135.7	152.7	142.3	123.9	158.9	121.5
June	130.2	166.7	130.0	135.0	125.5	129.5	146.5	133.7	135.9	154.5	142.5	123.9	158.9	120.5
1983-84—														
July p	131.2	166.7	128.9	135.0	123.9	128.8	147.2	133.7	137.1	158.9	147.8	123.9	158.9	120.5
August p	133.3	167.7	126.6	135.9	125.3	128.8	151.1	133.7	137.1	159.6	149.2	124.1	160.0	120.4
September p	134.1	174.2	122.7	136.2	125.3	131.0	151.1	135.3	137.4	160.9	149.6	125.4	162.8	118.0

TABLE 4. INDEX NUMBERS FOR SELECTED MAJOR BUILDING MATERIALS—continued
(Base of each index: Year 1979-80 = 100.0)

	Structural timber	Clay bricks	Ready mixed concrete	Precast concrete products	Galvanised steel decking, cladding, etc.	Reinforcing steel bar, fabric and mesh	Aluminium windows	Steel windows, doors, louvres, etc.	Builders' hardware	Sand, aggregate and filling	Carpet	Paint	Non-ferrous pipes
BRISBANE													
1980-81	116.7	114.9	110.8	112.0	114.1	115.6	113.5	116.0	114.3	113.5	123.6	121.4	99.7
1981-82	129.1	130.0	120.9	125.7	130.8	133.4	125.1	126.6	127.8	146.3	126.2	132.6	97.8
1982-83	137.8	142.4	143.8	147.3	148.7	146.3	139.6	133.9	138.9	147.6	181.6	152.9	103.3
1982-83—													
August	135.6	142.7	132.7	144.0	144.4	144.7	135.5	132.8	135.1	140.9	172.0	149.1	99.7
September	135.6	142.7	132.5	145.2	144.6	146.1	135.9	133.5	135.3	143.0	174.0	149.1	99.7
October	135.6	142.7	138.9	145.8	144.8	144.2	135.2	135.9	135.5	144.3	174.2	149.8	99.7
November	135.6	142.7	139.3	146.0	148.0	146.7	137.7	135.9	136.1	145.3	174.5	152.4	100.7
December	135.6	142.7	139.1	148.2	148.5	146.7	139.8	136.1	140.2	146.9	175.4	152.5	103.5
January	136.0	142.7	148.4	149.8	148.5	146.7	140.1	134.9	140.2	149.7	177.5	152.5	104.4
February	137.3	142.7	148.4	149.8	152.2	146.4	140.2	133.6	139.8	151.3	177.6	153.3	104.4
March	138.9	142.7	148.3	149.8	152.9	146.5	141.7	133.6	140.6	151.3	195.9	157.8	105.2
April	142.8	142.7	153.0	150.0	152.9	146.5	141.7	133.6	141.6	151.3	195.9	157.8	106.2
May	142.8	142.7	156.3	150.4	152.9	148.2	145.3	130.8	143.1	152.6	195.9	157.8	108.1
June	142.8	142.7	156.6	150.5	151.5	148.7	146.1	133.5	143.8	153.4	196.2	157.8	108.7
1983-84—													
July p	144.0	142.7	156.8	150.5	152.7	148.7	146.1	134.0	144.2	153.4	196.2	157.8	108.7
August p	144.0	142.7	156.1	150.5	154.9	150.1	146.4	134.0	144.2	151.7	197.1	159.2	109.6
September p	144.7	142.7	160.0	151.0	155.9	150.7	149.2	134.0	145.1	150.7	197.1	160.0	115.0
ADELAIDE													
1980-81	114.3	121.6	117.9	114.9	113.1	116.2	115.6	114.5	115.0	116.3	124.3	122.6	91.8
1981-82	127.2	138.9	135.9	133.1	125.4	133.0	127.4	134.0	130.9	131.9	144.9	134.9	92.7
1982-83 p	143.7	161.2	156.5	152.6	140.8	150.9	140.6	157.9	149.4	150.7	151.0	160.0	103.9
1982-83—													
August	140.2	148.8	145.9	150.0	137.1	146.2	136.9	150.6	142.6	147.3	143.2	116.8	98.3
September	142.3	155.8	152.3	150.1	137.1	148.4	136.9	151.6	148.9	147.3	147.4	119.0	98.3
October	142.3	156.1	158.5	150.1	138.3	148.8	136.9	154.0	149.0	147.3	150.8	119.0	97.9
November	142.3	156.1	158.4	152.2	141.2	150.6	140.4	155.3	149.0	148.0	151.8	119.0	100.1
December	142.3	156.2	158.4	153.0	141.2	152.0	142.2	159.3	150.9	151.1	153.4	119.0	101.0
January	142.3	168.8	158.9	153.5	141.3	152.0	142.2	161.5	151.2	151.2	153.4	119.0	102.1
February	142.3	168.8	159.2	154.2	143.6	152.6	142.2	161.5	151.4	150.4	153.4	119.0	104.6
March	144.7	168.8	160.7	154.8	143.8	152.7	142.2	162.2	151.4	153.4	153.7	119.3	107.7
April	147.8	168.8	160.5	154.8	144.2	152.3	142.1	162.2	151.6	154.8	153.7	119.3	112.3
May	147.8	168.9	160.3	155.7	143.6	154.6	142.1	162.2	152.0	154.8	153.7	119.8	114.9
June	151.5	168.9	160.3	156.3	144.3	154.5	145.7	163.4	152.8	155.3	153.7	120.7	115.5
1983-84—													
July p	151.5	168.9	160.0	156.6	145.4	151.3	145.9	163.4	153.2	160.1	153.7	120.7	115.6
August p	152.8	168.9	159.7	156.6	146.4	152.8	145.8	165.1	153.6	160.1	153.7	120.7	115.1
September p	152.8	173.6	159.7	156.6	146.4	152.7	147.7	165.1	155.4	160.1	153.7	124.4	112.3

TABLE 4. INDEX NUMBERS FOR SELECTED MAJOR BUILDING MATERIALS—continued
(Base of each index: Year 1979-80 = 100.0)

	Structural timber	Clay bricks	Ready mixed concrete	Precast concrete products	Galvanised steel decking, cladding, etc.	Structural steel	Reinforcing steel bar, fabric and mesh	Aluminium windows	Steel windows, doors, louvers, etc.	Builders' hardware	Sand, aggregate and filling	Carpet	Paint	Non-ferrous pipes
PERTH														
1980-81	116.9	110.3	105.7	109.6	113.3	116.1	114.4	110.0	117.4	113.4	122.6	115.2	116.4	95.1
1981-82	129.1	121.4	115.6	119.7	125.8	131.2	126.4	118.9	134.7	125.1	131.8	129.3	124.8	93.8
1982-83	143.8	130.0	138.4	136.4	138.1	145.6	140.3	133.0	148.2	142.8	159.4	137.4	141.1	106.6
1982-83—														
August	141.3	128.4	140.2	132.9	132.3	144.5	136.0	129.6	148.1	138.6	157.9	132.7	137.5	99.7
September	142.8	128.4	141.3	134.0	133.2	144.5	136.0	129.6	147.9	138.6	157.9	135.7	138.2	99.9
October	142.8	128.4	141.3	134.1	138.3	144.5	136.0	129.6	148.0	138.7	158.3	135.7	138.7	100.2
November	142.8	128.4	141.4	135.8	138.3	146.5	139.1	134.6	148.0	139.8	158.3	135.9	140.2	102.1
December	142.8	128.4	141.4	135.8	138.3	147.1	140.2	134.6	148.0	142.1	159.4	135.9	140.2	103.0
January	142.8	131.5	140.9	138.0	140.3	147.1	141.3	134.6	148.1	142.7	160.3	135.9	140.2	105.6
February	146.0	131.5	139.0	139.0	140.0	147.1	141.8	134.6	149.2	143.7	161.1	137.5	142.6	107.5
March	146.0	131.5	136.7	139.1	140.0	146.0	142.9	134.6	149.1	147.0	159.6	140.9	144.9	110.6
April	146.0	131.5	127.3	139.1	141.8	143.4	142.9	134.6	149.7	147.3	162.2	140.9	145.7	114.6
May	146.7	131.5	132.8	139.1	141.8	145.5	144.5	134.6	149.7	148.2	162.2	142.0	145.7	119.6
June	146.7	131.5	138.5	139.2	141.3	145.7	146.8	135.9	150.4	148.7	162.2	143.6	145.7	121.7
1983-84—														
July p	147.1	131.5	138.6	142.6	141.9	145.7	146.8	137.6	150.0	152.1	162.2	143.6	146.5	122.0
August p	149.5	135.0	141.5	142.9	141.8	146.0	146.8	137.6	150.3	152.1	162.3	143.6	148.4	116.9
September p	151.3	135.7	142.4	142.9	138.1	147.4	147.2	138.5	145.9	152.1	162.3	145.1	151.1	117.3
HOBART														
1980-81	113.9	104.7	107.2	113.0	113.1	110.8	114.4	116.1	117.2	117.2	108.3	116.1	117.7	98.9
1981-82	123.2	119.0	113.9	137.7	128.6	122.1	125.6	123.6	133.0	128.5	113.4	126.5	125.0	97.8
1982-83	130.9	136.1	127.2	154.8	140.9	131.4	138.2	136.6	142.6	142.7	123.6	133.6	143.7	106.7
1982-83—														
August	129.0	128.8	121.9	153.1	137.7	130.1	135.1	132.7	140.2	139.7	117.8	130.8	137.8	101.2
September	129.0	137.4	123.3	153.7	137.7	130.4	135.1	132.9	140.2	141.0	119.2	133.1	139.4	102.2
October	129.0	137.4	125.5	153.7	139.2	130.4	135.1	136.2	140.2	141.0	121.2	133.1	139.4	101.7
November	126.6	137.4	126.0	153.7	139.9	130.4	138.2	136.2	141.0	141.0	121.2	133.5	142.9	102.3
December	126.6	137.4	125.5	153.7	139.9	131.0	138.2	136.2	141.0	141.0	121.2	133.5	143.7	104.8
January	126.6	137.4	125.9	153.7	139.9	131.0	138.2	136.2	141.0	142.1	121.2	134.6	143.7	104.8
February	126.6	137.4	126.5	153.7	144.6	131.0	138.2	138.2	143.9	144.4	123.1	134.6	145.2	106.7
March	128.2	137.4	130.9	157.0	145.1	132.2	138.6	138.2	144.3	144.2	128.5	134.6	146.6	109.6
April	138.8	137.4	130.9	157.3	143.4	132.5	138.6	139.5	145.8	146.2	128.5	134.9	148.7	113.0
May	140.9	137.4	131.8	158.0	143.4	133.1	142.1	139.5	145.8	146.2	128.5	134.9	148.7	117.1
June	140.9	139.1	135.6	158.0	143.4	134.0	146.4	140.4	147.3	146.2	134.9	134.9	149.0	118.3
1983-84—														
July p	140.9	139.4	135.7	158.2	144.2	134.0	146.4	140.4	147.3	147.9	136.4	134.9	135.3	118.5
August p	140.9	139.4	136.2	158.2	145.7	134.0	147.3	142.9	149.9	149.8	136.4	135.5	144.2	118.7
September p	142.5	139.9	136.8	158.2	145.7	134.0	147.3	144.2	151.4	151.0	137.1	135.3	146.0	117.7

TABLE 5. INDEX NUMBERS FOR SPECIAL COMBINATIONS OF BUILDING MATERIALS
(Base of each index: Year 1979-80 = 100.0)

Value weight(a)	All groups excluding electrical materials and mechanical services	Electrical materials					All electrical materials excluding lamps and light fittings	Mechanical services components				Plumbing materials			
		Conductors	Conduit and accessories	Switch-boards and switch-gear	Lamps and light fittings	All electrical materials		Air conditioning	Fire protection	Elevators and escalators	All mechanical services	Hydraulic plumbing	Drainage	Roof and roof plumbing	All plumbing materials
—	20.96%	9.87%	28.92%	40.25%	100.00%	—	72.81%	13.04%	14.15%	100.00%	50.53%	14.52%	34.93%	100.00%	
SYDNEY															
1980-81	113.8	104.9	112.8	111.8	109.8	109.6	109.5	110.6	112.8	112.5	111.2	107.3	113.6	114.1	110.6
1981-82	127.6	115.4	120.4	127.0	123.8	122.6	121.8	123.2	123.6	127.4	123.9	116.0	129.3	129.1	122.5
1982-83	142.7	r135.5	r132.5	143.1	138.5	r138.6	r138.6	r140.1	r135.0	153.0	141.3	129.7	149.4	144.6	137.7
1982-83—															
August	140.3	r126.5	r128.1	137.1	133.3	132.5	131.9	133.6	132.4	149.9	135.8	124.2	144.2	140.4	132.8
September	141.3	126.9	131.4	140.3	135.4	134.6	134.1	135.6	132.5	150.8	137.3	125.2	146.6	140.8	133.7
October	141.9	130.6	131.7	141.1	137.8	136.6	135.8	137.8	133.0	151.5	139.1	126.5	147.4	142.6	135.2
November	141.9	133.0	132.1	141.1	137.8	137.2	136.8	138.9	135.0	152.3	140.3	127.9	147.7	144.5	136.6
December	142.5	138.1	134.1	145.0	138.5	139.9	140.8	140.2	135.3	153.1	141.4	128.2	151.0	144.5	137.2
January	143.3	139.0	134.1	145.1	139.6	140.5	141.2	140.4	135.4	153.3	141.6	129.1	151.0	144.5	137.6
February	143.9	138.8	133.8	145.3	139.3	140.4	141.1	140.9	135.1	153.4	141.9	130.4	151.0	147.6	139.4
March	144.2	139.2	134.0	145.7	139.9	140.9	141.5	142.7	136.4	156.1	143.8	132.5	151.5	147.7	140.6
April	144.4	140.4	133.8	145.8	142.1	142.0	141.9	145.5	137.3	156.1	145.9	135.3	152.0	147.7	142.0
May	144.8	143.3	134.4	146.0	143.2	143.1	143.1	146.2	138.2	156.1	146.6	137.1	153.8	147.9	143.3
June	145.7	147.1	135.7	147.3	143.2	144.4	145.3	146.4	138.6	155.4	146.7	137.2	154.2	147.9	143.4
1983-84—															
July p	146.0	146.5	138.7	147.9	143.9	145.1	145.9	146.4	138.7	155.4	146.6	141.8	154.3	147.9	145.7
August p	r146.7	145.2	142.2	147.7	144.4	145.3	145.9	146.6	138.7	154.3	146.7	142.9	154.3	150.4	147.2
September p	147.2	152.3	141.8	147.7	146.1	147.5	148.4	152.1	138.9	155.0	150.8	143.8	155.1	150.4	147.7
MELBOURNE															
1980-81	113.4	105.3	112.5	110.6	109.9	109.3	109.0	110.6	112.7	112.5	111.1	107.3	118.5	114.1	111.3
1981-82	123.9	115.0	120.2	123.1	123.1	121.1	119.8	122.9	123.7	127.4	123.7	115.8	134.4	128.5	122.9
1982-83	135.9	r131.8	r130.3	139.8	139.2	r137.0	r135.4	r139.7	r134.1	152.9	r140.8	130.8	152.0	134.6	135.2
1982-83—															
August	134.4	126.2	124.8	132.8	134.8	131.4	129.2	134.0	133.1	149.9	136.1	125.2	148.5	135.4	132.2
September	134.7	128.3	128.7	136.1	137.1	134.2	132.2	136.0	133.5	150.7	137.7	127.1	149.4	135.2	133.2
October	133.2	130.9	129.5	136.9	138.3	135.5	133.6	138.1	133.8	151.3	139.4	127.3	149.4	134.7	133.1
November	133.5	130.9	129.7	137.5	138.7	135.8	133.9	138.6	131.8	152.2	139.9	128.0	149.4	134.8	133.5
December	135.0	136.6	131.9	142.6	139.6	139.0	138.7	139.7	134.0	153.0	140.9	129.1	151.4	134.7	134.3
January	136.6	137.4	131.9	142.7	139.9	139.4	139.0	140.0	134.2	153.2	141.1	130.1	153.6	134.4	135.0
February	137.0	134.3	131.3	142.6	139.7	138.6	137.8	140.3	134.0	153.3	141.3	131.5	153.9	133.9	135.6
March	137.7	132.3	131.9	143.0	141.1	138.9	137.4	141.8	134.2	156.0	142.8	134.1	154.6	135.3	137.5
April	137.8	132.7	132.7	143.3	141.7	139.1	137.3	144.3	135.3	156.0	144.7	134.7	155.3	134.7	138.4
May	138.3	133.8	132.8	143.5	143.1	140.3	138.4	145.2	135.7	156.0	145.5	138.3	155.8	133.6	139.2
June	138.5	137.2	133.9	145.0	143.1	141.5	140.4	145.4	136.3	155.3	145.6	139.5	156.2	132.9	139.6
1983-84—															
July p	138.9	135.0	136.9	144.8	143.4	141.4	140.1	146.4	136.2	155.3	146.3	142.1	158.2	131.8	140.8
August p	r139.2	132.6	141.0	r144.5	144.4	141.6	139.8	147.3	136.4	154.2	146.9	142.3	r158.5	132.7	141.3
September p	139.4	143.1	141.5	144.5	145.7	144.4	143.5	152.3	136.9	154.9	150.7	141.7	158.5	132.8	141.0

For footnote see end of table.

TABLE 5. INDEX NUMBERS FOR SPECIAL COMBINATIONS OF BUILDING MATERIALS—continued
(Base of each index: Year 1979-80 = 100.0)

Value weight(a)	All groups excluding electrical materials and mechanical services	Electrical materials					All electrical materials excluding lamps and light fittings	Mechanical services components				Plumbing materials			
		Con- ductors	Conduit and accessories	Switch- boards and switch- gear	Lamps and light fittings	All electrical materials		Air con- ditioning	Fire protection	Elevators and escalators	All mechanical services	Hydraulic plumbing	Drainage	Roof and roof plumbing	All plumbing materials
—	20.96%	9.87%	28.92%	40.25%	100.00%	—	72.81%	13.04%	14.15%	100.00%	50.55%	14.52%	34.93%	100.00%	
BRISBANE															
1980-81	114.2	105.4	111.9	112.6	108.5	109.4	110.0	109.8	112.6	112.5	110.6	108.2	111.9	113.7	110.6
1981-82	127.4	116.5	118.9	128.5	120.1	121.7	122.7	122.5	124.4	127.4	123.4	116.0	128.5	129.6	122.6
1982-83	143.0	r137.6	r129.1	143.9	139.0	r139.2	r139.3	r137.8	r135.0	152.9	139.6	129.0	150.1	147.4	138.5
1982-83—		r	r			r	r	r	r	r	r				
August	138.5	127.5	124.4	137.7	131.5	131.7	131.9	132.2	133.9	149.9	134.9	124.0	147.3	141.7	133.5
September	139.2	128.7	127.8	141.3	136.7	135.5	134.7	134.2	134.2	150.7	136.6	126.3	148.3	142.2	134.9
October	140.5	131.8	127.8	141.9	137.0	136.4	136.0	136.2	134.2	151.3	138.1	126.4	148.3	143.9	135.7
November	141.5	133.6	128.3	141.8	136.8	136.8	136.7	136.4	134.7	151.2	138.4	126.9	148.3	146.1	136.7
December	142.2	138.7	131.5	145.8	137.5	139.5	140.9	137.8	135.0	153.0	139.6	128.3	151.7	146.5	138.1
January	144.1	139.5	131.5	145.9	138.6	140.2	141.3	138.1	135.0	153.2	139.9	130.2	151.8	148.0	139.5
February	144.3	140.0	130.7	146.0	141.7	141.5	141.3	138.5	134.9	153.3	140.2	130.2	151.9	150.5	140.5
March	145.6	142.2	130.7	146.2	144.0	143.0	142.3	139.7	135.4	156.0	141.5	131.6	152.5	152.1	141.8
April	146.6	145.0	130.6	146.4	144.7	143.9	143.3	142.2	136.4	156.0	143.4	132.4	152.8	152.0	142.2
May	147.8	148.0	130.7	147.3	146.1	145.3	144.8	143.0	136.8	156.0	144.0	133.8	152.8	152.8	143.2
June	148.2	152.8	131.8	148.7	143.9	146.0	147.4	143.6	137.2	155.3	144.4	134.9	153.1	152.0	143.5
1983-84—															
July p	148.6	154.1	136.0	149.3	144.5	147.0	148.8	143.6	137.9	155.3	144.5	136.1	156.2	152.8	144.9
August p	149.0	153.3	140.4	149.4	146.1	148.0	149.3	144.0	137.9	154.2	144.6	138.2	156.9	155.6	147.0
September p	150.2	159.2	140.4	149.5	147.6	149.9	151.4	149.0	138.2	154.9	148.4	140.6	156.9	156.3	148.5
ADELAIDE															
1980-81	115.1	104.7	111.7	113.1	109.1	109.6	109.9	108.9	112.2	112.5	109.9	105.2	112.3	114.4	109.4
1981-82	129.3	115.1	118.6	126.8	121.6	121.4	121.4	119.6	123.9	127.4	121.3	114.1	124.7	128.0	120.5
1982-83	146.5	r137.0	r128.3	143.7	136.8	r138.0	r138.8	135.9	134.3	152.9	138.1	126.8	145.2	144.9	135.8
1982-83—		r	r			r	r	r	r	r	r				
August	140.7	125.0	122.6	136.1	133.3	131.4	130.1	130.2	133.1	149.9	133.4	121.1	141.2	141.8	131.2
September	143.3	126.9	126.7	139.6	135.0	133.8	133.0	132.1	133.3	150.7	134.9	121.1	141.5	141.8	131.3
October	144.8	129.5	126.8	141.1	135.6	135.0	134.7	133.9	133.5	151.3	136.3	123.4	141.9	142.7	132.8
November	146.2	132.5	128.3	141.0	135.8	135.9	135.9	134.7	133.9	152.1	137.1	123.8	141.6	145.2	133.9
December	147.1	138.0	130.5	146.4	136.6	139.1	140.8	135.5	134.1	153.0	137.8	124.3	143.7	145.2	134.4
January	148.1	138.8	130.1	146.6	137.6	139.7	141.1	136.1	134.2	153.2	138.3	126.6	147.6	145.2	136.2
February	148.5	140.1	130.0	146.9	137.3	139.9	141.7	136.7	134.2	153.2	138.7	127.4	148.3	147.5	137.5
March	149.4	142.1	130.1	147.2	138.3	140.9	142.6	138.3	134.7	155.9	140.3	130.0	149.0	147.7	138.9
April	149.6	145.4	129.6	147.2	139.1	141.8	143.6	140.6	135.9	155.9	142.1	133.0	151.0	148.1	140.9
May	150.1	148.4	129.7	147.2	140.9	143.2	144.7	141.1	136.4	155.9	142.6	134.9	151.0	147.6	141.7
June	150.9	154.4	130.8	149.0	140.9	145.1	147.9	141.7	137.0	155.2	143.0	135.6	151.2	148.3	142.3
1983-84—															
July p	151.0	154.3	132.9	149.9	141.2	145.6	148.6	142.0	137.1	155.2	143.3	137.9	152.9	149.7	144.2
August p	151.7	152.2	136.7	149.7	r141.4	145.6	148.4	142.3	137.2	154.1	143.3	141.3	153.1	150.5	146.3
September p	152.4	156.4	134.9	149.8	142.7	146.9	149.6	145.9	137.3	154.9	146.1	140.4	153.0	150.5	145.8

For footnote see end of table.

TABLE 5. INDEX NUMBERS FOR SPECIAL COMBINATIONS OF BUILDING MATERIALS—continued
(Base of each index: Year 1979-80 = 100.0)

Value weight(a)	All groups excluding electrical materials and mechanical services	Electrical materials						Mechanical services components				Plumbing materials			
		Con-ductors	Conduit and accessories	Switch-boards and switch-gear	Lamps and light fittings	All electrical materials	All electrical materials excluding lamps and light fittings	Air conditioning	Fire protection	Elevators and escalators	All mechanical services	Hydraulic plumbing	Drainage	Roof and roof plumbing	All plumbing materials
—	—	20.96%	9.87%	28.92%	40.25%	100.00%	—	72.81%	13.04%	14.15%	100.00%	50.55%	14.52%	34.93%	100.00%
PERTH															
1980-81	112.4	106.5	112.8	114.1	110.3	110.8	111.2	111.2	112.7	112.5	111.6	107.2	114.0	113.2	110.3
1981-82	123.8	117.5	119.9	127.8	123.9	123.3	122.9	123.0	125.1	127.4	123.9	113.8	132.4	125.0	120.4
1982-83	138.8	r139.9	r132.3	147.9	138.0	r140.7	r142.5	r137.8	r136.1	153.0	r139.7	125.6	151.1	138.7	133.9
1982-83—		r	r			r	r	r	r		r				
August	136.5	129.1	126.9	141.0	134.3	134.4	134.5	132.4	135.1	149.9	135.2	120.0	148.3	132.2	128.4
September	137.0	128.2	130.9	144.6	136.3	136.3	136.6	134.4	135.1	150.8	136.8	120.8	148.6	133.0	129.1
October	137.5	132.9	131.2	144.9	137.1	137.9	138.4	135.7	135.4	151.5	137.9	121.4	148.6	137.6	131.0
November	138.5	135.9	132.2	145.3	137.1	138.7	139.8	136.4	135.9	152.3	138.6	122.4	148.6	137.6	131.5
December	139.0	141.2	134.3	149.9	137.8	141.7	144.3	137.5	136.1	153.1	139.2	124.8	149.2	137.8	132.9
January	139.8	142.1	134.4	150.0	139.1	142.4	144.6	137.6	136.1	153.3	139.7	125.5	149.2	141.6	134.6
February	140.1	143.0	134.4	150.7	138.6	142.6	145.3	138.0	136.2	153.4	139.9	126.5	154.4	141.4	135.7
March	140.0	145.2	135.1	151.1	139.3	143.5	146.4	139.8	136.6	156.1	141.7	129.3	155.8	141.4	137.4
April	139.0	148.3	135.1	151.4	140.3	144.7	147.6	142.6	137.3	156.1	143.8	130.9	155.7	143.5	138.9
May	140.4	150.9	133.1	152.6	141.6	145.9	148.8	143.5	137.7	156.1	144.6	132.7	155.7	143.5	139.8
June	141.8	156.9	133.6	154.2	141.7	147.7	151.7	144.5	138.2	155.4	145.2	134.8	156.8	143.0	140.9
1983-84—															
July p	142.3	156.8	137.9	154.5	141.9	148.3	152.6	144.6	138.4	155.4	145.3	135.1	158.4	144.1	141.6
August p	143.3	154.6	140.8	155.2	142.7	148.7	152.6	144.5	138.3	154.3	145.1	134.3	r158.8	144.5	141.4
September p	143.7	160.8	140.0	154.7	144.0	150.2	154.4	149.0	138.6	155.0	148.5	134.4	158.9	141.9	140.5
HOBART															
1980-81	111.6	106.1	111.8	113.1	109.7	110.1	110.4	112.9	112.8	112.5	112.8	109.2	111.1	113.1	111.5
1981-82	122.5	117.3	118.8	124.4	122.8	121.7	121.0	125.9	124.8	127.3	125.9	115.5	119.7	129.0	120.8
1982-83	134.6	r140.9	r130.7	146.8	140.3	r141.4	r142.1	r141.2	r135.2	152.6	r142.0	125.3	126.5	141.4	131.1
1982-83—		r	r			r	r	r	r		r				
August	131.0	129.9	124.4	137.5	135.5	133.8	132.7	135.5	134.5	149.6	137.4	122.2	126.2	137.6	128.1
September	131.9	132.0	129.9	139.4	137.2	136.0	135.2	134.7	134.7	150.3	138.7	122.9	126.5	137.6	128.6
October	132.8	137.1	129.9	140.3	138.3	137.5	139.6	135.0	135.0	150.9	140.6	122.8	126.5	139.8	129.2
November	133.7	138.2	129.8	141.2	139.8	138.9	138.2	139.8	135.0	151.8	140.9	122.2	125.9	140.3	129.0
December	133.8	142.0	132.6	147.8	141.2	142.4	143.2	140.9	135.1	152.6	141.8	123.1	125.9	140.9	129.7
January	134.0	142.6	132.6	147.8	141.2	142.6	143.5	141.0	135.2	152.8	141.9	123.4	125.9	140.9	129.9
February	135.0	144.2	132.5	147.8	141.0	142.8	144.0	141.5	135.4	152.9	142.3	125.2	125.9	144.8	132.1
March	136.4	146.2	132.5	153.7	142.4	145.5	147.6	143.5	135.6	154.2	144.2	127.7	126.4	145.5	133.8
April	137.2	149.4	132.5	153.8	143.0	146.4	148.7	146.2	136.2	155.6	146.2	129.1	126.4	144.3	134.0
May	138.4	152.4	134.1	153.8	144.7	147.9	150.0	147.1	136.6	155.5	146.9	130.7	126.4	144.3	134.8
June	140.0	150.6	134.5	161.1	144.2	149.7	153.0	147.6	137.0	154.9	147.3	133.3	129.2	144.3	136.5
1983-84—															
July p	140.4	159.0	137.9	161.7	144.8	152.0	156.8	148.2	137.5	154.9	147.7	135.0	129.5	147.7	138.6
August p	141.1	158.4	142.6	161.6	145.3	152.5	157.4	148.5	137.7	153.8	147.8	136.0	131.4	148.8	139.8
September p	141.8	166.1	143.4	161.7	146.6	154.8	160.3	152.4	138.1	154.5	150.9	136.3	131.7	148.8	140.0

For footnote see end of table.

TABLE 5. INDEX NUMBERS FOR SPECIAL COMBINATIONS OF BUILDING MATERIALS—continued
(Base of each index: Year 1979-80 = 100.0)

Value weight(a)	All groups excluding electrical materials and mechanical services	Electrical materials						Mechanical services components				Plumbing materials			
		Con- ductors	Conduit and accessories	Switch- boards and switch- gear	Lamps and light fittings	All electrical materials	All electrical materials excluding lamps and light fittings	Air con- ditioning	Fire protection	Elevators and escalators	All mechanical services	Hydraulic plumbing	Drainage	Roof and roof plumbing	All plumbing materials
	—	20.96%	9.87%	28.92%	40.25%	100.00%	—	72.81%	13.04%	14.15%	100.00%	50.55%	14.52%	34.93%	100.00%
WEIGHTED AVERAGE OF SIX STATE CAPITAL CITIES															
1980-81	113.7	105.2	112.5	111.9	109.6	109.7	109.7	110.4	112.7	112.5	111.0	107.2	114.7	114.0	110.7
1981-82	126.2	115.7	119.9	126.1	122.9	122.0	121.4	122.7	123.9	127.4	123.5	115.5	130.3	128.4	122.2
1982-83	140.6	r135.4	r130.9	142.9	138.6	r138.4	r138.3	r139.0	r134.8	153.0	r140.4	129.1	149.5	141.4	136.4
1982-83—		r	r			r	r	r	r		r				
August	137.8	126.7	126.0	136.3	133.6	132.2	131.2	133.1	133.2	149.9	135.5	123.7	145.5	138.4	132.0
September	138.7	127.8	129.6	139.5	136.1	134.7	133.8	135.1	133.4	150.8	137.1	124.9	146.8	138.6	132.9
October	138.9	131.1	129.9	140.4	137.5	136.3	135.4	137.1	133.7	151.4	138.7	125.8	147.2	139.9	133.8
November	139.4	132.8	130.5	140.6	137.7	136.8	136.2	137.8	134.6	152.2	139.4	126.7	147.3	141.2	134.7
December	140.2	138.1	132.8	145.1	138.4	139.7	140.6	139.0	134.9	153.0	140.5	127.6	149.7	141.2	135.6
January	141.4	139.0	132.7	145.3	139.3	140.3	141.0	139.3	134.9	153.3	140.7	128.7	150.8	141.7	136.5
February	141.9	138.4	132.3	145.4	139.4	140.2	140.8	139.7	134.8	153.3	141.0	129.8	151.5	143.3	137.7
March	142.4	138.7	132.7	145.9	140.6	140.9	141.2	141.3	135.4	156.0	142.6	132.2	152.2	144.0	139.2
April	142.6	139.9	132.7	146.0	141.8	141.7	141.7	143.9	136.4	156.0	144.6	134.4	152.9	146.0	140.4
May	143.3	142.7	132.8	146.5	143.1	143.0	142.9	144.7	137.0	156.0	145.3	136.2	153.6	143.8	141.4
June	144.0	146.8	133.9	148.0	142.9	144.3	145.3	145.1	137.5	155.3	145.5	137.1	154.1	143.5	141.8
1983-84—															
July p	144.3	146.3	137.1	148.4	143.4	144.8	145.8	145.4	137.7	155.3	145.8	139.9	155.4	143.6	143.5
August p	144.9	144.6	140.9	r148.3	r144.1	145.1	145.8	145.8	137.7	154.2	146.0	140.9	155.7	145.3	144.6
September p	145.4	152.1	140.6	148.3	145.6	147.2	148.4	150.8	138.0	154.9	149.7	141.2	156.0	145.1	144.7

(a) Composition and weighting as at reference base year 1979-80: see paragraph 3 of Explanatory notes.

TABLE 6. INDEX NUMBERS FOR SELECTED MAJOR BUILDING MATERIALS—DARWIN
(Base of each index: Year 1981-82 = 100.0)

	Structural timber	Ready mixed concrete	Precast concrete products	Galvanised steel decking, cladding, etc.	Structural steel	Aluminium windows	Steel windows, doors, louvers, etc.	Builders' hardware	Sand, aggregate and filling	Carpet	Paint	Non-ferrous pipes
1981-82	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1982-83	102.0	110.6	111.1	110.8	112.2	112.1	112.0	108.5	113.9	105.4	116.6	111.4
1982-83—												
August	100.1	107.7	109.9	108.0	111.2	105.8	109.4	106.2	112.6	103.1	109.9	104.7
September	100.1	108.0	109.9	108.0	111.6	114.4	109.5	106.2	112.6	105.8	116.2	106.7
October	100.1	108.0	109.9	110.3	110.7	110.4	111.1	106.2	112.6	105.8	116.2	108.7
November	100.1	108.0	109.9	110.4	110.7	111.6	111.7	107.3	112.6	105.8	118.1	108.7
December	101.1	108.0	110.7	110.6	112.8	112.2	113.2	107.6	112.6	105.8	118.1	109.5
January	101.1	113.4	112.4	110.6	112.8	112.2	113.2	108.1	115.5	105.8	118.1	110.8
February	103.9	113.2	112.4	112.9	113.1	113.0	113.2	108.1	115.5	105.8	118.1	112.0
March	103.9	113.2	112.4	112.9	113.1	113.0	113.2	109.7	115.5	105.8	120.6	114.7
April	103.8	113.2	112.4	113.0	111.7	117.1	113.6	112.3	116.4	105.8	118.9	118.9
May	104.8	113.2	112.4	113.0	113.7	117.1	113.6	112.8	116.4	105.8	118.9	120.5
June	105.1	113.2	110.8	113.0	113.7	117.1	113.6	113.1	116.4	105.8	118.8	120.5
1983-84—												
July p	105.2	114.7	110.8	113.2	114.6	117.3	116.6	112.7	116.4	105.8	120.0	118.9
August p	107.5	115.3	113.2	115.9	113.8	117.3	116.6	114.9	116.4	105.8	120.0	120.8
September p	107.6	115.3	113.2	115.9	116.3	117.3	116.3	115.3	116.4	115.0	122.0	120.8

TABLE 7. INDEX NUMBERS FOR SPECIAL COMBINATIONS OF BUILDING MATERIALS—DARWIN
(Base of each index: Year 1981-82 = 100.0)

Value weight(a)	All groups excluding electrical materials and mechanical services	Electrical materials					Mechanical services components				Plumbing materials			
		Conductors	Conduits and accessories	Switch-boards and switch-gear	Lamps and light fittings	All electrical materials excluding lamps and light fittings	Air conditioning	Fire protection	Elevators and escalators	All mechanical services	Hydraulic plumbing	Drainage	Roof and roof plumbing	All plumbing materials
—	—	20.28%	10.14%	30.28%	39.30%	100.00%	74.64%	11.38%	13.98%	100.00%	46.45%	14.80%	38.75%	100.00%
1981-82	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1982-83	110.3	120.8	114.8	116.9	115.2	116.8	117.9	114.3	108.5	120.0	114.4	108.4	117.3	108.5
1982-83—														
August	107.4	109.5	108.2	113.3	107.4	109.7	111.2	108.6	107.3	118.6	109.8	103.3	111.8	106.6
September	108.2	111.1	109.9	114.6	111.0	112.0	112.6	109.9	107.7	119.1	110.9	104.2	114.6	106.6
October	108.4	113.6	115.1	115.1	112.5	113.8	114.6	113.3	107.9	119.3	113.5	105.7	115.4	108.1
November	108.8	117.5	115.3	115.8	112.8	114.9	116.3	113.7	108.2	119.8	113.9	105.7	115.4	108.1
December	109.5	123.8	115.8	116.8	115.2	117.5	119.0	114.5	108.3	120.4	114.6	106.1	118.1	108.3
January	110.9	124.5	115.8	117.6	116.0	118.2	119.6	114.4	108.5	120.4	114.6	108.9	118.1	108.3
February	111.6	125.9	115.8	118.7	117.7	119.5	120.6	114.6	108.9	119.9	114.7	109.3	118.1	110.0
March	111.9	127.9	115.8	118.8	118.1	120.1	121.3	117.1	109.6	120.8	116.9	111.3	119.6	110.0
April	112.6	128.2	119.3	119.2	118.6	120.8	122.2	118.7	109.9	121.2	118.0	113.6	121.6	110.1
May	113.2	130.4	119.3	119.9	122.8	123.1	123.3	119.0	110.0	121.2	118.3	114.3	121.6	110.1
June	113.3	129.2	120.2	122.5	123.0	123.8	124.4	119.3	110.1	121.1	118.5	114.7	122.7	110.1
1983-84—														
July p	114.4	127.1	121.1	122.9	122.4	123.4	124.0	121.1	110.2	121.2	119.9	114.5	122.9	112.6
August p	114.9	129.2	126.1	122.9	121.8	124.1	125.6	122.7	110.5	121.1	121.1	118.3	126.5	114.3
September p	115.4	133.7	126.1	123.4	122.1	125.2	127.3	126.3	110.7	121.6	123.9	118.3	126.5	114.3

(a) Composition and weighting as at reference base year 1981-82: see paragraph 4 of Explanatory notes.

APPENDIX

PRICE INDEX OF MATERIALS USED IN BUILDING OTHER THAN HOUSE BUILDING
SALES TAX CHANGES: EFFECTS ON PUBLISHED INDEX NUMBERS

This index is designed to provide a general measure of price change for materials used in the construction of buildings other than houses. The pricing basis of the index is 'delivered on site' and prices used in the index include sales tax where payable.

2. Sales tax changes in recent years have affected the following items included in the index:

- Boilers
- Light fittings
- Lamps
- Air conditioning packaged units
- Refrigeration equipment—air conditioning
- Other air conditioning equipment
- Registers and fans used in air conditioning
- Elevators and escalators
- Carpet
- Vinyl sheet and tiles
- Ductwork used in air conditioning

No other items in the index have been or are currently affected by sales tax changes.

3. During the period covered by the current series of index numbers, all of the items listed above (with the exception of Registers and Ductwork used in air conditioning) have been subject to the following changes in sales tax:

an increase of 2½ per cent announced in the 1981 Budget to take effect from 19 August 1981

a further increase of 2½ per cent announced in the 1982 Budget to take effect from 18 August 1982.

Registers and Ductwork used in air conditioning have only been affected by the following change in sales tax:

an increase of 20 per cent announced in the 1983 Budget to take effect from 24 August 1983.

4. Under Sales Tax legislation, materials used in the construction of Commonwealth, State and Local Government owned buildings are exempt from sales tax; materials used in most non-government 'health' and 'education' buildings are also exempt. At any particular time when there is a change in the rate of sales tax on any materials included in the index, the movement in the index takes into account the proportion of materials sold subject to sales tax and the proportion of materials sold exempt from sales tax.

5. The index numbers for September 1981 and subsequent months reflect the relative importance of taxable and exempt sales of materials in each of the seven cities. Because sales taxes are levied at the point of pricing used in the index, it is possible to calculate the effects of the sales tax changes on the index numbers.

6. The ABS is aware that the index numbers in this publication are used widely for adjusting building contract values. Where adjustments to contract values are determined by the change in price index numbers from one month to the next, users may want to adjust price index numbers for September 1981, and subsequent months, to either reflect fully or exclude entirely the effects of the changes in sales tax. Index numbers published prior to September 1981, do not require adjustment because there was no increase in the rates of sales tax for materials included in the index during the period July 1979 to August 1981.

7. The effects of previous increases in sales tax were detailed in the September 1981 and September 1982 issues of this publication. Users who wish to convert published index numbers to either include the full effects of sales tax change or exclude entirely the effects of sales tax change should:

apply to the published index numbers for the period September 1981 to August 1982, the conversion factors contained in the Appendix to the September 1981 issue of this publication

apply to the published index numbers for the period September 1982 to August 1983, the conversion factors contained in Appendix B to the September 1982 issue of this publication.

8. This Appendix contains conversion factors which apply to published index numbers for September 1983 and subsequent months for the weighted average of the six State capital cities, for each of the six State capital cities and for Darwin.

9. The conversion factors shown in Tables 1 and 2 of this Appendix take account of the combined effects of the sales tax increases of August 1981, August 1982 and August 1983.

(a) Table 1 shows conversion factors to be applied to particular published series to obtain index numbers which **INCLUDE** the full effects of the sales tax increases. Users who wish to calculate index numbers on this basis should check if the index series they use is listed in this table. If so, the index number for September 1983 should be **MULTIPLIED** by the relevant conversion factor shown in Table 1.

(b) Table 2 shows conversion factors to be applied to particular published series to obtain index numbers which **EXCLUDE** entirely the effects of the sales tax increases. Users who wish to calculate index numbers on this basis should check if the index series they use is listed in Table 2. If so, the index number for September 1983 should be **MULTIPLIED** by the relevant conversion factor shown in Table 2.

As an example, the calculations involved in deriving adjusted index series for September 1983 and subsequent months for 'air conditioning' for Sydney are also shown.

10. The conversion factors published in this Appendix should be applied to index numbers for all months subsequent to September 1983 to obtain a continuous series.

11. Users should bear in mind that these conversion factors change every time there is a sales tax change.

12. If you have any inquiries about these conversion factors please contact Mr T.L. Harlow by telephoning (062) 526197 or one of our State Offices.

Australian Bureau of Statistics
Canberra
November 1983

**TABLE 1. PRICE INDEX OF MATERIALS USED IN BUILDING OTHER THAN HOUSE BUILDING
CONVERSION FACTORS TO ADJUST PUBLISHED INDEX NUMBERS FROM SEPTEMBER 1983
TO INCLUDE THE FULL EFFECTS OF SALES TAX CHANGE**

		Conversion factors							
Table in which index number published	Published index number affected by sales tax increases	Weighted average of six State capital cities	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin
1	All groups	1.004	1.003	1.006	1.005	1.005	1.004	1.008	1.005
2	315 Sheet metal products	1.043							
2	316 Other fabricated metal products	1.001							
2	335 Appliances and electrical equipment	1.007							
2	336 Industrial machinery and equipment	1.017							
2	— Other materials	1.004							
3	Vinyl sheet and tiles	1.019							
3, 4 & 6	Carpet	1.019	1.017	1.019	1.021	1.022	1.017	1.025	1.029
5 & 7	All electrical materials	1.007	1.006	1.007	1.008	1.009	1.006	1.010	1.012
5 & 7	Lamps and light fittings	1.018	1.017	1.018	1.020	1.022	1.017	1.026	1.028
5 & 7	All mechanical services	1.020	1.017	1.023	1.024	1.024	1.017	1.033	1.034
5 & 7	Air conditioning	1.027	1.023	1.030	1.030	1.031	1.024	1.042	1.045
5 & 7	Elevators and escalators	1.006	1.006	1.006	1.007	1.007	1.006	1.010	1.008

Example. To derive an index number for 'Air conditioning' for Sydney for September 1983, including the full effects of the sales tax change:

1. Published index number from Table 5 of the publication 152.1
2. Conversion factor from Table 1 above 1.023
3. Derived index number (1)x(2) 155.6

**TABLE 2. PRICE INDEX OF MATERIALS USED IN BUILDING OTHER THAN HOUSE BUILDING
CONVERSION FACTORS TO ADJUST PUBLISHED INDEX NUMBERS FROM SEPTEMBER 1983
TO EXCLUDE ENTIRELY THE FULL EFFECTS OF SALES TAX CHANGE**

		Conversion factors							
Table in which index number published	Published index number affected by sales tax increases	Weighted average of six State capital cities	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin
1	All groups	0.994	0.992	0.992	0.995	0.994	0.994	0.995	0.994
2	315 Sheet metal products	0.930							
2	316 Other fabricated metal products	0.997							
2	335 Appliances and electrical equipment	0.990							
2	336 Industrial machinery and equipment	0.975							
2	— Other materials	0.995							
3	Vinyl sheet and tiles	0.971							
3, 4 & 6	Carpet	0.972	0.969	0.972	0.973	0.975	0.970	0.978	0.981
5 & 7	All electrical materials	0.988	0.988	0.987	0.989	0.990	0.988	0.991	0.992
5 & 7	Lamps and light fittings	0.971	0.970	0.970	0.973	0.974	0.970	0.978	0.981
5 & 7	All mechanical services	0.966	0.964	0.966	0.969	0.971	0.966	0.974	0.971
5 & 7	Air conditioning	0.955	0.953	0.956	0.959	0.963	0.957	0.967	0.964
5 & 7	Elevators and escalators	0.987	0.988	0.988	0.989	0.989	0.987	0.991	0.993

Example. To derive an index number for 'Air conditioning' for Sydney for September 1983, including the full effects of the sales tax change:

1. Published index number from Table 5 of the publication 152.1
2. Conversion factor from Table 2 above 0.953
3. Derived index number (1)x(2) 145.0