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UPDATE TO THE WEIGHTS OF THE CONSTRUCTION MATERIALS PRICE INDICES (P0151.1)

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Introduction

The weights for Construction materials price indices (CMPI) will be updated with effect from the January 2022 statistical release, scheduled for publication on 24 February 2022. The indices will be rebased to December 2021 = 100.

Source data for updating the weights

High-level CMPI industry weights will be derived from the 2018 supply and use tables (SUTs), which is the latest available set of SUTs from the recently benchmarked national accounts. The new high-level weights will reflect proportions of value added from the SUTs, which is the same methodology that is used for calculating high-level weights in the producer price index. Previously, the CMPI high-level weights were based on Stats SA's construction industry large sample survey (LSS). Specific products within industry groups will be selected using the 2017 Construction LSS (Report 50-02-01).

The new CMPI weights will apply to Tables 1 to 5 in the statistical release. The contract price adjustment provisions (CPAP) indices (Table 1 in the monthly statistical release) and civil engineering material price indices (Table 6) are not affected by this reweighting process. Instead, the weights for these tables are updated from time to time in consultation with relevant industry expert committees.

The SUTs provide values for the industry groups at a SIC 3-digit level only, which means that some of the current industry-level information published in Table 2 will be grouped together. The new weights are shown below.

Table 2 - Construction input price index (CIPI): material purchases by type of service

Service	Weight
Total construction	100,00
Site preparation	1,54
Civil engineering; Building of complete structures	63,23
Building installation	16,86
Building completion	16,13
Renting of construction or demolition equipment with operators	2,24

Table 3 - Construction input price index (CIPi): material purchases for whole industry

Product	Weight
Total construction	100,00
Construction stone and sand	4,55
Aggregate stone	3,24
Sand	0,39
Granite, sandstone and other monumental and building stone	0,91
Carpets (excluding mats and rugs)	2,19
Boards of wood	0,36
Builders' carpentry of wood	0,16
Paints	2,31
Construction tyres	0,38
Construction pipes, tubes and fittings	5,35
Tubes, pipes, tube-fittings and pipe-fittings	1,04
Concrete pipes	0,33
Construction plastic pipes, tubes and fittings	3,98
Adhesive and sealant	0,84
Vinyl sheeting and flooring	1,37
Construction bricks and tiles	7,48
Bricks	3,71
Tiles	3,77
Cement	8,27
Ready-mix concrete	9,91
Ceiling boards	1,00
Roof sheeting	0,53
Pre-mix asphalt	3,92
Bituminous mixtures	3,36
Construction structural and reinforcing steel	25,10
Reinforcing metal work	9,01
Equipment for scaffolding, shuttering and propping	1,66
Welded angles, shapes and sections for use in manufactured structures	8,13
Steel door and window frames	6,30
Construction basic metal products	1,45
Bars and rods of iron or steel	0,86
Angles, shapes, sections and similar products of iron or steel	0,38
Wire of iron or steel	0,21

Product		Weight
Construction pumps, compressors and refrigerator machinery		0,94
Construction electric motors, generators or transformers		3,77
Electrical components		3,63
Electrical cable		5,93
Construction, distribution and control equipment		5,98
Nails, screws and metal fasteners		1,22

Index reference period

The indices will also be rebased. The current base period is December 2016 = 100. All indices will be rebased to December 2021 = 100. Rebased changes the level of the indices, and does not affect the rates of change previously published. Historical time series data will be available on the Stats SA website: www.statssa.gov.za. Conversion factors for each index will be available on request.

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