

1489 - PRODUCT PRICES IN DESIGN-PRODUCT RELATIONS

Specification for the inclusion of product prices in the Design-Product Relations area

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D157 Prices Vs Plant Product.doc	\\adls0003\Documents\Customer\Active\AURMX - Readymix Holdings\42003 National System\Specifications\D157 Prices Vs Plant Product.doc	Original Specification

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1. Business Requirements

1.1 Overview

This enhancement is intended to improve users ability to review current product prices more easily, and to export them to file for analysis or to provide them to other staff.

2. Functional Requirements

2.1 Overview

This specification covers new functionality for the design-product relation screen that allows easy access to the product cost information. It also covers new functionality for the export to a CSV file from the design-product relations grid.

2.2 Changes to Design Product Relation Grid

A new option will be added to the design-product relations screen "Costs". This will behave in a similar way to the existing "Integrity" and "Extra Materials" options. The cost columns will be added to the far right of the design-product relations screen.

The screenshot shows a software interface for design-product relations. At the top, there is a 'View:' dropdown set to 'Details', followed by 'Show Mix' and 'Show Properties' buttons. To the right are three checkboxes: 'Integrity' (unchecked), 'Extra Materials' (unchecked), and 'Costs' (checked and circled in red). Below these are several action buttons: 'Add', 'Copy', 'Delete', 'Add Alternative', 'Make Primary', 'Change Cement Level', and 'Save CSV'. The main area is a table with columns: Plant, Product Code, Alt, Mix Group, Mix Code, Level, Grd, F/c, Slump, Mix Name, and Product. Three rows of data are visible, each with a yellow highlight. The bottom of the screen shows a scroll bar.

Plant	Product Code	Alt	Mix Group	Mix Code	Level	Grd	F/c	Slump	Mix Name	Product
1234	XX1234YZA		XX1234_ABC		470	S32	32		Blockfill 32MPa SL/FA X	1234
1234	XX1234YZB		XX1234_ABC		470	S32	32		Blockfill 32MPa SL/FA X	1234
1234	XX1234YZC		XX1234_ABC		390	20	20	160	20MPa Block Fill	1234

Figure 1: New Design-Product Relations Screen, showing "Costs" checkbox

A list of the cost columns that will be displayed is as follows:

Caption	Field/Property	Description	Require "Extended Cost Data" Rights
Total Cost	GrossCost	Total cost of the materials used (ex-bin + cartage)	No
Nett Cost	[new]	Production cost of the materials used, or Total cost – profits	Yes
Ex-bin Cost	NettCost	Ex-Bin cost of the materials used (total cost at quarry) (this is currently noted as "nett cost" – want to rename the field if possible)	Yes
Cartage Cost	CartageCost	Cartage cost of the materials used	Yes

Comment [LM1]: This property will either be the production cost of the materials, or the production cost + the cartage cost for the materials. This is still to be decided.

The columns listed as requiring the Extended Cost Data right will not be visible to users without this right.

These are the same as the fields shown on the design screen, and when the "show mix" button is pressed on the design-product relations screen. (Note: the values need to be re-calculated because of the possibility of product level substitutions).

The cost columns can be viewed by scrolling to the far right.

Plant	Product Code	Alt	Total Cost	Nett Cost	Ex-Bin Cost	Cartage Cost
1234	XX1234YZA		\$123.45	\$0.00	\$0.00	\$0.00
1234	XX1234YZB		\$123.45	\$0.00	\$0.00	\$0.00
1234	XX1234YZC		\$123.45	\$0.00	\$0.00	\$0.00

Figure 2: New Cost Columns in the Design-Product Relations grid

2.3 Ability to save to CSV from Design Product Relations screen

A new button will be added that allows the data in the design-product relations grid to be exported to a CSV file. This file will contain all of the information currently displayed in the design-product relations grid (not just the costs) but can easily be imported into a program like MS Excel for manipulation.

Clicking the "Save CSV" button will pop up a standard "Save As" dialog, allowing the user to save the file to an appropriate location.

3. Assumptions and Additional Constraints

n/a