

**Current industry Model**      **Wash and re wash**

Summary comparisson to acheive a 100 % clean surface over 12 years  
 Assume first wash occurs 24 mths after a new building is built

**Water used to wash 1 sq mtr area 7.6 ltr**

Assume re wash year is in Years 3, 6, 9 and 12

Insert Total site sq mtrs to be protected      in J6      **120000**      sq mtrs

Total areas maintained      **120000**

Maintained sq mtrs of surfaces      12 years      120000

**Fiera Model**      **1 coat of 115 um / applicaton every 6 years**

Assume MS 727 is applied 12 mths after a new building is built  
 Life cycle of one coat application = 6 years

**Apply year 2 and year 7**

Total areas maintained

Maintained sq mtrs of surfaces      12 years      120000

**New tanks      or      Buildings**

**0 to 12 year costing**

Wash and rewash practice							
Years	Cost to wash	sq mtrs	Activity	water usage Ltrs	days	Power usage kw	Labour Hrs
1							
2	\$79,200	40000	wash	304000	62	4615	615
3	\$79,200	40000	wash	304000	62	4615	615
4	\$79,200	40000	wash	304000	62	4615	615
5	\$79,200	40000	wash	304000	62	4615	615
6	\$79,200	40000	wash	304000	62	4615	615
7	\$79,200	40000	wash	304000	62	4615	615
8	\$79,200	40000	wash	304000	62	4615	615
9	\$79,200	40000	wash	304000	62	4615	615
10	\$79,200	40000	wash	304000	62	4615	615
11	\$79,200	40000	wash	304000	62	4615	615
12	\$79,200	40000	wash	304000	62	4615	615
Totals	\$871,200	120000		3344000.0	677	50769	6769
	<b>Clean costs</b>	<b>\$871,200</b>	12 years				
	<b>\$/ sq mtr</b>	<b>\$7.26</b>					
	<b>Typical cost to wash and rewash Years 1 to 12</b>						

**0 to 12 year costing**

MS 727 12 year program							
Years	Cost to apply	sq mtrs	Activity	water usage Ltrs	days	power usage kw	Labour hrs
1							
2	\$79,200	40000	Apply 727	0	33	2475	330
3	\$79,200	40000	Apply 727	0	33	2475	330
4	\$79,200	40000	Apply 727	0	33	2475	330
5				0			
6				0			
7	\$79,200	40000	reapply	0	33	2475	330
8	\$79,200	40000	reapply	0	33	2475	330
9	\$79,200	40000	reapply	0	33	2475	330
10							
11							
12							
Totals	\$475,200	120,000			198	14850	660
	<b>Apply costs</b>	<b>\$475,200</b>	12 years				
	<b>\$/sq mtr</b>	<b>\$3.96</b>					
	<b>MS 727 costs to apply and protect Years 1 to 12</b>						

**Notes**

Industry rate to wash set at \$1.98 / sq mtr  
 Fiera cost to supply and apply set at \$1.98 sq mtr  
 Labour rate used is \$25 / hr to reflect typical cellar hand rates

Total water used to maintain 120,000 sq mtrs

<b>Old Model</b>			
Total Power used	50769	kwatts	
Total Water used	3344000.0	Ltrs	
Re treated water qty through on site systems	3344000.0	Ltrs	

<b>New Model</b>			
Total Power used	14850	kwatts	
Total Water used	0	Ltrs	
Re treated water qty through on site systems	0	Ltrs	

Total water used to maintain 120,000 sq mtrs







