

# Life Cycle Cost Analysis

2023

- Comprehensive Life Cycle Cost analysis tool
- Compare products potential life cycle costs
- Understand maintenance costs for life

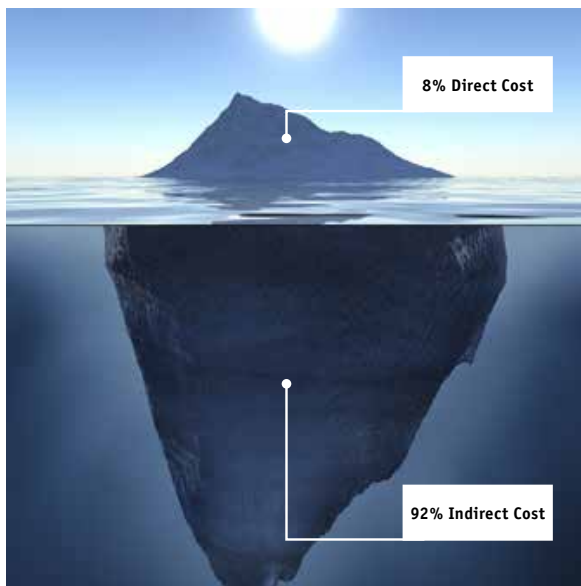
Tarkett's expertise in flooring has led to a specially developed software tool to estimate the total cost of installation and maintenance of a floor over its service lifetime.

In a building project there are two types of cost:

1. **Direct costs** - purchase and installation costs of a product
2. **Indirect cost** - ongoing maintenance, cleaning and repair over the life of the building

For flooring the split between them is typically estimated as follows:

## Typical Flooring Life Cycle Cost



All factors need to be taken into account when estimating the total cost of ownership over the life of the flooring. The initial purchase cost includes transport, installation and waste. Then after installation, there are costs associated with preventative maintenance and programmed cleaning, repairs, administration costs and ultimately, renewal.


Once all these costs are understood for a range of potential flooring options then the purchase decision can be confidently based on the knowledge of the full costs over the life of the floor.

## Comprehensive Cost analysis

Tarkett LCC software provides a detailed product report, listing direct and ongoing indirect costs including the cost of chemicals, power, water and manpower for your chosen flooring.

An optional product comparison allows you to compare Tarkett products against alternative products to demonstrate the value of maintenance savings that can be achieved, or between different Tarkett products to assist with product selection decisions.

Tarkett iQ flooring solutions have minimal requirements for water and cleaning chemicals, and with no need for wax or polish over the life of the product, just dry buffing, significant cost savings are achievable.



# LIFE CYCLE COST - ANALYSIS

Customer:

Hospital India

Project:

Hospital India

Total Area (sqm):

12000

Basic Data:

Everything calculated in 2013 years value:

Calculated life length: 20 years

Annual administration costs: 700

Labour cost per hour: 12

Cleaning costs per unit based on professional Trade Union, union agreements and experience from different markets:

Summary of proposed maintenance calculations:

Locality	Proposed Product	Area	Yearly Cost	Total Cost	Consuming
			sqm	Total	hour/year
Corridors:	Tarkett IQ Element	4000	2,32	102000	4497
Rooms:	Tarkett IQ Element	8000	2,79	22386	9819
<b>Yearly Cost Total</b>	<b>Proposed</b>	<b>Current</b>	<b>12000</b>	<b>31051</b>	<b>631019</b>
			<b>12000</b>	<b>35316</b>	<b>35316</b>
<b>Savings:</b>				<b>7599</b>	<b>151973</b>

Investment	Current	Proposed	Difference	Payback:
Floor Installed:	150000	180000	24000	24000
Equipment:			0	7599
<b>Total:</b>	<b>150000</b>	<b>180000</b>	<b>24000</b>	<b>7599</b>

Yearly Consumption	Current	Proposed	
Water (liters):	20562	24928	
Chemicals (liters):	2948	2432	
Electricity (kwh):	12624	12864	

LCC per year	Total	per sqm	as % of whole
Floor Installed:	9000	0,75	20,4
Allowance for repair:	(2%)	1900	8,2
Cleaning Costs:	31051	2,60	74,2
<b>Total:</b>	<b>44151</b>	<b>3,68</b>	

= 3.16 years

\* Sample comparison chart

**For a demonstration or a full Lifecycle cost analysis contact your Tarkett Sales representative or call (02) 8853 1200.**