

# Costs saved on four-bedroom house-build using BeadMaster\*

## Expenses:

BeadMaster product cost = €185

BeadMaster install cost = 2.5 work hours x €25 = €62.50

Total costs = €247.50

## Savings:

Efficiency saving = 12 work hours (across all trades) x €37.50 (Avg Hourly Rate) = €450

Total cost (€247.50) - efficiency saving (€450) =

**Total saving = €202.50**

*Breakdown below.*

## Expenses

### Quantity needed\*

*58 sockets/switches*

*16 downlights*

\*Based on an average four-bedroom house

### Breakdown

#### *Sockets/Switches*

Four bedrooms	5nr x 4
Upstairs landing	5nr
Downstairs hallway	5nr
Sitting room	7nr

#### *Downlights*

Kitchen	8nr
Main bathroom	4nr
En-suite	2nr
Downstairs bathroom	2nr

Dining Room	4nr
Kitchen	10nr
Utility	7nr
<b>Total</b>	<b>58nr</b>

<b>Total</b>	<b>16nr</b>
--------------	-------------



## Product cost\*

$$€2.50 \times 74 \text{ nr} = €185$$

\*Based on approx. total cost of 58 sockets/switch and 16 downlights for two-bed apartment

## Install cost\*

$$2.5 \text{ hrs} \times €25 = €62.50$$

\*Based on framer/ slabber being cost neutral at minimum and skilled labourer being charged with install

### Installation Process:

2.5 hrs x €25/hr

- Framer/Slabber is cost neutral at minimum as the opens to be cut are set size with greater tolerance due to using BeadMaster. Inaccurate measurements can be compensated in turn allowing for greater productivity
- Should electricians install BeadMaster, saving will be achieved at 2nd fix stage due to easier install with risk of damage or need to clean out back boxes
- Skilled labourer can also be charged with installing BeadMaster

**Total cost = €247.50**

## Savings

### Time saved on-site\*

*Twelve work hours across all trades due to higher efficiency*

\*Based on minimum savings. Hourly rates and times may differ, and the extent of any damage to be made good will also vary

## Breakdown

*Site Management Team. Saving 4hrs x €50/hr*

- No time or resources required to check areas completing snag list
- No arguments on-site due to quality of finish or damage caused
- No contra charge issues
- No resources required to resolve
- Accelerated sign off
- Accelerated line to market
- Peace of mind knowing a process of works is in place which ensures best results
- Completely eliminates return visits and improves productivity on site

**Plasterer. Saving 3hrs x €30/hr**

- The plasterer will be more efficient as all walls and ceilings can be completed simultaneously
- The perfect finish can be achieved faster; no slowing down to try achieve good finish around outlets, especially those close together
- Perfect for spray plaster
- No need to ensure outlets are kept clean and free of plaster
- No downtime raking out outlets
- No arguments over standard or finish or who is responsible for damage
- No contra charge issues

**Electrician. Saving 3hrs x €40/hr**

- No requirement to clean out plaster from metal boxes and eliminates risk of damage to finish
- No unnecessary downtime raking out outlets
- Risk of damaging the integrity of the circuits/ cables when trying to locate cables is totally eliminated
- Allows for early termination and testing which eliminates mistakes, 2nd fix wiring and preparation can all be carried out at 1st fix stage
- Downlight holes can be cut prior to plastering ensuring no damage
- No arguments over standard or finish or who is responsible for damage
- No contra charge issues

**Painter. Saving 2hrs x €30/hr**

- The need for a painter to complete any snagging on this area is completely eliminated
- The time-consuming process of filling and sanding and repeating the process numerous times, trying to match paint is totally eliminated
- No visible brush marks on finished works
- Paint can be rolled on around sockets and switches creating a better finish in less time
- No contra charge issues

Contractor/Builder	4hrs x €50
Plasterer	3hrs x €30
Electrician	3 hrs x €40
Painter	2 hrs x €30
<b>Total</b>	<b>12hrs x €37.50 = €450</b>

**Efficiency saving = €450**

**Total saving = €202.50** (Based on €450 saving minus €185 cost of BeadMaster products and €62.50 for 2.5 hour install)