



SWIFIX Cost Validation

REPORT

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1. Brief and Introduction

- 1.1 Impart links received an order from Swifix to validate a cost comparison document produced from a time and motion exercise comparing the Swifix range of products to the current best practice in the sector.
- 1.2 The Swifix range of products are plastic fittings to facilitate the securing of external furniture through External Wall insulation.

2. Notes on Existing Cost Comparison

2.1 We have inserted our comments against the existing cost comparison.

JUST Analysis - Dest					II. Notos en Evistin e Oslavilation
Fitting 1 x Soil and Vent fence post 1 gate post 1		s. 1 No Satellite bracket.1 asket	Length of timber Per fixing Point (Im)	Net Cost	IL Notes on Existing Calculation
Soil and Vent Pipe	3 No fixing points	200mm x 2 to achieve required thickness each	1.2		There is no standard method of fixing across the industry.
Down Pipe x2	6 No fixing points	200mm x 2 to achieve required thickness each	2.4		There is no standard method of fixing across the industry.
Satellite Dish	1 No fixing points	250mm x 1	0.4		The description and length does not quite match up, due to the fixing bracket would assess timber required would be $250 \times 2 \times 2 = 1.0m$
Fence Post	3 No fixing points	250 x 3	1.5		As notes would generally not try to fix this on to a building with EWI, but may be required due to specific site conditions
Gate Post	3 No fixing points	250 x 3	1.5		As notes would generally not try to fix this on to a building with EWI, but may be required due to specific site conditions
Alarm	1 No fixing points	250 x 1	0.5		ОК
Light/hanging basket	1 No fixing points	250 x 1	0.5		OK
			8		Will need to be revised
			Timber cost	£9.20	Incorrect calculation, 8m x £1.40/m = £11.20

Cost Analysis - Best Practice

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2nd Fix Timber (screw) 38 No £0.04 £1.52 Material Costs £10 per/hr £16.80 _abour to Fit Timber 7 hours £10 per/hr £7000 Stocks £10 per/hr £5000 study has been carried out. However, Site Supervisor confirmed allowance of 1 day would be more appropriate to fit blocks and reinstate 2nd Fix Reinstate 5 hours £10 per/hr £5000 abour Cost £10 per/hr £5000 be more appropriate to fit blocks and reinstate ZokSomm treated timber at £1.40 m £136.80 £136.80 IL check price of £1.80/m. Sterws at 80mm in length Labour costs at £10 per/hr (inc on-cost) IL check price of £1.180/m. This provides 30mm anchorage SWIFIX Swifix I Length of fixing Point (im Net Cost in the price of £11 per hour Re-fix Kit Costs £38.08 Cost is not split down so will be difficult to identify costs on lighter items where Spiral Fixing Point (im) Frame fixings 38 No £0.21 £7.98 Waterial Costs £46.06 E0.21 for 135mm long, .100	1st Timber fix (frame fixing)	38 No	£0.16	£6.08	IL check price of £0.16 each; no wastage
abour to Fit Timber 7 hours £10 per/hr £70.00 Slocks 5 hours £10 per/hr £50.00 abour Cost £10 per/hr £50.00 Aterial Costs £10 per/hr £50.00 Material Costs based on: Travis Perkins rates: 75x50mm treated timber at £1.40 Im Fisher Frame Fixings at 80mm Total Costs £10 per/hr Scews at 80mm in length Labour costs Leheck price of £1.80/m. Labour costs at £10 per/hr (inc on-cost) SWIFIX Leheck price of £1.1 per hour SWIFIX Kit Costs £38.08 Cost is not split down so will be difficult to identify costs on lighter items where Spiral Fixings as 0 monorage. 90m Frame fixings 38 No £0.21 £7.98 Leheck price of £1.02.1 for 135mm long fixing. Frame fixing equal to the reinstatement time of the add of fixing = 135mm long. Material Costs £10 per/hr £60.00 We believe this would take longer than the 1 hours more than the 1 minsulation, 10mm finish, 5mm for gasket and head of fixing = 135mm long. Frame fixing scale £10 per/hr £60.00 We believe this would take longer than the 1 hours more than the 1 minsulation, fixing and uting into this fixing and uting the m	2nd Fix Timber (screw)	38 No	£0.04	£1.52	IL check price of £0.05 each; no wastage
Blocks Image: Shours E10 per/hr Exturble has been carried out. However, Site Supervisor confirmed allowance of 1 day would based on all fixtures. Cost Image: Shours E10 per/hr E50.00 .abour Cost Image: Shours E10 per/hr E50.00 Material Costs based on: Travis Perkins rates: Total Costs E136.80 E136.80 Material Costs based on: Travis Perkins rates: Total Costs E136.80 IL check price of £1.80/m. Fisher Frame Fixings at 80mm Screws at 80mm in length It check price of £1.80/m. This provides 30mm anchorage SWIFIX SWIFIX It check price of £1.1 per hour It Check price of £1.1 per hour SWIFIX It Check price of £1.1 per hour String Point (Imm) E38.08 It Check price of £1.1 per hour Re-fix Kit Costs £38.08 E10 per/hr £10 per/hr E0.21 It check price of £0.21 for 135mm long fixing. Frame fixing length = 30mm anchorage, 30mm insulation, 10mm finish, 5mm for gasket and head of fixing = 135mm long. Waterial Costs E10 per/hr £60.00 We believe this would bake longer than the 1 hours more than the reinstatement time of the timber of per fixings. As you will be difficult to indentify costs an light informanchorage, 30mm insulation, 10mm finish, 5mm for gasket and head of fixing = 135mm long.	Material Costs			£16.80	
2nd Fix Reinstate 5 hours £10 per/hr £50.00 abour Cost £10 costs £10.00 Material Costs based on: Travis Perkins rates: £136.80 75x50mm treated timber at £1.401m £136.80 Fisher Frame Fixings at 80mm £10 per/hr (inc on-cost) SWIFIX IL check price of £1.80/m. This provides 30mm anchorage ok SWIFIX IL check price of £11 per hour SWIFIX Imber YPer Friting 1 x Soil and Vent stack. 2 No Down Pipes. 1 No Satellite bracket.1 Length of timber Per fixing Point (Im) (Im) £38.08 Frame fixings 38 No £0.21 £7.98 Frame fixings 38 No £10 per/hr £20 per/hr Quaterial Costs £46.06 Example and the reinstatement time of the timber of \$2.1 for 135mm long fixing. Frame fixing length = 30mm anchorage, 90mm insulation, 10mm finish, 5mm for gasket and head of fixing = 135mm long. Waterial Costs £10 per/hr £60.00 2nd Fix Labour to Fit 6 hours £10 per/hr £60.00	Labour to Fit Timber Blocks	7 hours	£10 per/hr	£70.00	
Labour Cost Total Costs £120.00 Material Costs based on: Travis Perkins rates: Total Costs £136.80 75x50mm treated timber at £1.401m Fisher Frame Fixings at 80mm IL check price of £1.80/m. Screws at 80mm inlength Labour costs at £10 per/hr (incon-cost) IL check price of £11 per hour SWIFIX Fitting 1 x Soli and Vent stack. 2 No Down Pipes. 1 No Satellite bracket.1 (Im) Length of timber Per fixing Point (Im) Re-fix Kit Costs £38.08 Frame fixings 38 No £0.21 £7.98 Vaterial Costs £46.06 2nd Fix Labour to Fit 6 hours £10 per/hr £60.00 Vaterial Costs £10 per/hr £60.00 Atterial Costs £10 per/hr £60.00	2nd Fix Reinstate	5 hours	£10 per/hr	£50.00	
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Fitting 1 x Soil and Vent stack. 2 No Down Pipes. 1 No Satellite bracket. 1 Length of timber Per fixing Point (Im) Net Cost Re-fix Kit Costs £38.08 Cost is not split down so will be difficult to identify costs on lighter items where Spiral Fixings can be used. Frame fixings 38 No £0.21 £7.98 Waterial Costs £46.06 2nd Fix Labour to Fit 6 hours £10 per/hr £10 per/hr £60.00	Fisher Frame Fixings at 8 Screws at 80mm in length	0mm ז			This provides 30mm anchorage ok
Frame fixings38 No£0.21£7.98£7.98Material Costs£7.98IL check price of £0.21 for 135mm long fixing. Frame fixing length = 30mm anchorage, 90mm insulation, 10mm finish, 5mm for gasket and head of fixing = 135mm long.Material Costs£46.062nd Fix Labour to Fit6 hours£10 per/hr£60.00We believe this would take longer than the 1 hours more than the reinstatement time of the timber blocks as you will be drilling into masonry, measuring and cutting the metal sleeve length and working with much longer fixings. Also time would be saved using Spiral Anchor fixings over the Swifix method				timber Per fixing Point	
Material Costs £46.06 2nd Fix Labour to Fit 6 hours £10 per/hr £10 per/hr £60.00 We believe this would take longer than the 1 hours more than the reinstatement time of the timber blocks as you will be drilling into masonry, measuring and cutting the metal sleeve length and working with much longer fixings. Also time would be saved using Spiral Anchor fixings over the Swifix method	Re-fix		Kit Costs	£38.08	identify costs on lighter items where Spiral
2nd Fix Labour to Fit 6 hours £10 per/hr £60.00 We believe this would take longer than the 1 hours more than the reinstatement time of the timber blocks as you will be drilling into masonry, measuring and cutting the metal sleeve length and working with much longer fixings. Also time would be saved using Spiral Anchor fixings over the Swifix method	Frame fixings	38 No	£0.21	£7.98	Frame fixing length = 30mm anchorage, 90mm insulation, 10mm finish, 5mm for gasket and
hours more than the reinstatement time of the timber blocks as you will be drilling into masonry, measuring and cutting the metal sleeve length and working with much longer fixings. Also time would be saved using Spiral Anchor fixings over the Swifix method	Material Costs			£46.06	
	2nd Fix Labour to Fit	6 hours	£10 per/hr	£60.00	hours more than the reinstatement time of the timber blocks as you will be drilling into masonry, measuring and cutting the metal sleeve length and working with much longer fixings. Also time would be saved using Spiral
		1	Total Costs	£106.06	<u> </u>

3. IL Assessment of Cost Comparison

3.1 Based on our notes above and consultation with installers our assessment of the cost comparison would be:

Fitting 1 x Soil and Ve bracket. 1 fence post		Length of timber Per fixing Point (Im)	Net Cost	
Soil and Vent Pipe	3 No fixing points	200mm x 2 to achieve required thickness each	1.2	
Down Pipe x2	6 No fixing points	200mm x 2 to achieve required thickness each	2.4	
Satellite Dish	1 No fixing points	250mm x 1 x 2 wide	1	
Fence Post	3 No fixing points	250 x 3	1.5	
Gate Post	3 No fixing points	250 x 3	1.5	
Alarm	1 No fixing points	250 x 1	0.5	
Light/hanging basket	1 No fixing points	250 x 1	0.5	
			8.6	
			Timber cost	£15.48
1st Timber fix (frame fixing)	38 No	£0.16		£6.08
2nd Fix Timber (screw)	38 No	£0.05		£1.90
Material Costs				£23.46
Labour to Fit Timber Blocks	5 hours	£11 per/hr		£55.00
2nd Fix Reinstate	4 hours	£11per/hr		£44.00
Labour Cost				£99.00
	1	Total Costs		£122.46

Cost Analysis - Timber Patresses

75x50mm treated timber at £1.80 lm Fisher Frame Fixings at 80mm Screws at 80mm in length Labour costs at £11 per/hr (inc on-cost)

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SWIFIX

Fitting 1 x Soil and Ven bracket. 1 fence post 1		Length of timber Per fixing Point	Net Cost	
Swifix		(Trade cost) Kit	(Im)	£34.71
		(Trade Cost) Kit		234.71
Frame fixings	38 No	£0.21		£7.98
Material Costs				£42.69
2nd Fix Labour to Fit	6 hours	£11 per/hr		£66.00
		TotalCosts		£108.69

- 3.2 Based on our figures detailed above the Swifix fixing system is more cost effective than the Timber Patresses system and minimum savings of at least 12% can be achieved. Our initial figures are a conservative estimate and further savings can be achieved through:
 - Reduced programme
 - Labour efficiencies using the Swifix system
 - Labour efficiencies on the installation of the insulation due to the elimination of on-site cutting around the Timber Patresses.
 - Reduced labour preliminary cost for taking delivery of timber and clearing up of waste off offcuts from timber and insulation.
 - 3.3 Other benefits of the Swifix systems compared to the Timber Patresses method include:
 - Cleaner/easier product to use.
 - Reduces the risk of inferior/unspecified product being used (e.g. un-treated timber)
 - More sustainable/minimises waste.
 - Improved insulation properties.

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