

Comparison of Building Systems

Production Cost

Pos.	Name	Filigree Slab 1 m ² Price in Europe	Double Wall 1 m ² Price in Europe	Solid Wall 1 m ² (150 mm thick) Price in Europe
A	Concrete	2,15 €	4,35 €	6,53 €
B	Reinforcement (10kg/m ²)	3,10 €	3,10 €	3,10 €
C	Helping Material	1,10 €	1,50 €	2,00 €
D	Inserts (e.g. Door and Window frames)	-	-	5,00 €
E	Energy Cost	0,25 €	0,50 €	1,00 €
F	Maintenance	0,60 €	0,80 €	0,55 €
G	Heating system	0,10 €	0,20 €	0,30 €
H	Labour Cost Production	3,20 €	6,50 €	10,00 €
I	Labour Cost Office	0,50 €	0,70 €	1,00 €
J	Principal and Interest	2,25 €	2,25 €	2,25 €
K	Administration	0,35 €	0,35 €	0,35 €
Production Price of one m²		13,60 €	20,25 €	32,08 €

Transport of the Elements

Name	Filigree Slab	Double Wall	Solid Wall (150 mm thick)
L Load on one Truck (25.000 kg)	140 m ²	80 m ²	60 m ²

Building Site

Construction Type	Factory	Building Site	Total
	Required time in man hours per squaremeter		
M Bricks / Cast in Place	0,05	3,00	3,05
N Pre cast parts	1,00	0,25	1,25

Work on the Building Site

In Situ Concrete	Action	Time	
	Pre Cast Parts	In Situ Concrete	Pre Cast Parts
Errction of the Outside Formwork	Mounting of the Wall Element	1	1,2
Reinforcements, Inserts	Reinforcement for the Connection	1	0,2
Errction of the Inside Formwork		1	-
Placing the Concrete		1	-
Treatment of the Concrete		1	-
Placing the Formwork for the Floors	Mounting the Floor Elements	1	0,33
Lower Reinforcement in the Floor	Reinforcement for the Connection	1	0,2
Placing the Concrete on the Floor	Placing Concrete (Wall and Floor)	1	1,7
Removing the Formwork	Removing the Supports	1	0,2
Follow up Treatment	Follow up Treatment	1	0,2
		10	4,03

1 = 100% of the Work Time by in Situ Concrete