

Estimating Man Hour Rates

This guide will help you calculate the approximate man hours/gross ft.² of the ICF wall area for your job. This guide is based on historical job reports and cover all phases of the installation of ARXX Edge, ARXX Prime and ARXX Steel forms.

Contractors should use their best judgement in applying lighter or heavier rating points to each of the 20 categories. The estimated rate results are for general guidance and are not intended to be used to bid on a project.

- › Answer each of the 20 categories by indicating the rating point that best matches the specific project.
- › Add the total for each row, and then total all the points for the Total Project Rating.
- › Select from the Man Hour Rate chart the MH/GSF.
- › Multiply the MH/GSF by the gross sq. ft. of ICF wall in the whole project (*do not deduct for openings*) example: 0.07 x 2,286 sq. ft. = 160 man hours
- › Divide the total man hours by the crew size example: 160 man hours / 4 crew = 40 hours to complete project.

Contractors are encouraged to track their MH/GSF per project and create their own historical data to improve accuracy in estimating, more accurate bidding and monitor their construction efficiency.

This guide is based on historical job reports and cover all phases of the installation of ARXX Edge, ARXX Prime and ARXX Steel forms including:

- › unloading/handling forms
- › stacking/cutting forms
- › fabricating/installing bucks
- › fabricating/installing reinforcing steel
- › handling/installing the bracing alignment system (BAS)
- › installing accessories, waterproofing, connectors, etc.
- › placing/consolidation of concrete
- › stripping the BAS
- › final clean-up

Points	Weather Conditions	% of 90° or 45° corner forms / total forms	% of other corner forms / total forms	Typical # of courses / stories	Total
1	mild	0 - 16%	0	1 - 7	
3	rain / snow	17 - 24%	1 - 16%	8 - 10	
5	severe hot / cold	25%+	17%+	11+	

Points	SF openings/ GSF of wall area	SF of radius wall / GSF wall area	Average lintel has:	ARXX crew experience level	Total
1	0 - 7%	0	no stirrups	high	
3	8 - 20%	1 - 10%	C stirrups	medium	
5	21%	11%	cage stirrups	low (unless job is 2000+ forms)	

Points	Site access and ground conditions	Window-door horizontal rip cuts	# tees or pilasters / story	Embedments	Total
1	ideal	no rip cuts	0	few and simple	
2	fair	up to 4" rip cuts	1 - 7	few and complex	
3	poor	up to 4" rip cuts top/bottom	5+	more and complex	

Points	ICF type used	Courses of brick ledge/story	LF rebar per standard form	# stories (incl. basement)	Total
1	block	0	0 - 9	1	
2	tongue & groove	1	10 - 14	2	
3	knock down	2+	15+	3+	

Points	ARXX crew size	Bottom course on a:	Concrete placement type	Dimensions are ARXX friendly	Total
1	1 - 4	slab	boom pump	8" increments	
2	5 - 10	strip footing	chute	non 8" increments	
3	11+	piles/step footings	crane / bucket or line pump	3+ wall lengths < 3'	

Man Hour Rate Chart	
Building Rate	MH / GSF Rate
20	0.03
21 - 24	0.04
25 - 28	0.05
29 - 32	0.06
33 - 36	0.07
37 - 38	0.08
39 - 40	0.09
41 - 42	0.10
43 - 44	0.11
45 - 47	0.12
48 - 50	0.13
51 - 55	0.14
56 - 61	0.15
62 - 67	0.16
68 - 73	0.17
74 - 79	0.18
80 - 82	0.19
83 - 84	0.20

MH = man hour
 GSF = gross square feet
 SQ = square feet
 LF = linear feet

Disclaimer: under no circumstances will ARXX Corporation be held liable or accountable for any damages arising from the use of this guide whether direct, indirect, incidental or consequential.

Total Building Rate
 (add all sections)

Redefining building.