

Quick Estimator User Guide



Amvic's Quick Estimator is an online tool designed to provide a quick preliminary material takeoff for ICF projects (including Amdeck). Once the needed information has been entered, the estimator will display the estimated quantity of the various blocks but also has a downloadable PDF which can be saved locally. This tool should be used as a rough estimate only and does account for site specific conditions.

Project Details

Enter all contact information applicable to the project including:

- Name
- Project Name
- Project Location
- Email Address (optional)

If you require additional assistance, please contact the technical support team at technical@amvicsystem.com

Wall Input

The estimator uses imperial units only. Metric units need to be converted to imperial units. The corresponding units are labeled in their respective section. Whichever fields are not applicable, leave blank.

The estimator is organized by sections, allowing the user to separate the building envelope into various segments. It is recommended to separate the building enclosure to distinct segments based on ICF core size, wall heights and type (e.g. frost wall, knee wall, walkout wall, foundation wall, etc.).

1. Input the height (in ft) of the wall section.
2. Input the linear length/perimeter (in ft) of the wall section.
 - a. The estimator will automatically calculate the number of courses.
3. For "Wall Thickness", from the drop-down menu, select the ICF core thickness.
 - a. Some specialty blocks will appear as "N/A" if they are not available in that ICF core size.
4. Based on the drawings, input the total wall openings area (in ft²) for the given section.

5. For the R22 block there are two types of corner blocks, short and long. Short corners are available only if shipped from U.S. factories Nixa, or Salt Lake City. Long corners are available if shipped from Canadian Factories, Toronto or Calgary. Check with your Territory Manager for availability to ensure correct product selection.
 - a. Input the number of inside and outside corners for one course of a section.
6. Input the number of 45° corner blocks for one course of the section if applicable.
7. Enter the number of T-blocks for one course of the section if applicable.
8. For “Wall Type”, select if given section is below or above grade.
 - a. This only affects the default reinforcing rebar spacing (vertical and horizontal) which would be reflected in the linear length of rebar on the result page.
9. Follow the steps above to complete the remaining sections of the project.
10. Once all the information has been entered, at the bottom of the page, click calculate.
 - a. This will bring up a new page with quantities per section along with total number of blocks.
 - b. A downloadable version of the estimate can be downloaded by clicking on the download button at the top of the page.

Brick Ledge

At this time brick ledge blocks are not calculated within the estimator.

- a. It is possible to bypass this limitation by reserving a single section for brick ledge blocks. This section would be one course high by entering 1.33 in the height field.
- b. For “Length” the perimeter of the building should be entered (should be same as step 2).
- c. Once the number of blocks is calculated, it is recommended to add one brick ledge block for every 2 outside corners on the project) to account for the cutting of corner blocks.

Taper Top

At this time taper top blocks are not calculated within the estimator.

- a. It is possible to bypass this limitation by reserving a single section for the taper top blocks. This section would be one course high by entering 1.33 in the “Height” field.
- b. For “Length” the perimeter of the building should be entered (should be same as step 2).
- c. Include all corner blocks which will be modified (see next point).
- d. Currently Amvic does not manufacture taper top corner blocks but this can be easily resolved by field cutting a regular corner block to match the taper top straight blocks.

Floor/Roof Input

- This section is applicable to the Amdeck system only. It requires the length and width the floor/roof as well as the thickness of concrete.
- The resulting estimate provides the number of Amdeck blocks as well as the linear length footage of the metal channel which can be used to calculate the number of pieces by taking the total length and dividing by the individual length of one channel.
- In addition, it also provides the total volume of concrete which includes the slab and the joists.