NUDURA ICF ESTIMATOR USER GUIDE

Contents

Here are the instructions for using Nudura's online Insulated Concrete Form Estimator program. The interfaces are slightly different between guest users and those with accounts, denoted in the "Login Version" callouts. Contact your distributor or Nudura representative with any further questions.

Order Page

1. Enter the Order information including:
   - Order date.
   - Brief description of the project.
   - The Company Name and Contact Name will automatically be entered.
2. Click Next. The Add Level popup box will appear.
3. Select the Level Type from the drop-down list.
4. Enter a Level Description or Name (if required).
5. Click Continue.

Login Version

- The Order number will be automatically generated.
- Enter a Quote name or number.
- Select Whether pricing for Product Delivery, Labor, or Concrete will be included in the estimate.

Level Page

1. Describe the level of the building you will be entering information for.
2. Select the ICF block size.
3. Select the appropriate conditions at the Base of Level and Top of Level
4. Enter the Length/Perimeter of the Wall and the Height of the Wall. The program will automatically calculate the Number of Courses, the Projecting Height Above, the Projecting Height Below and the Amount Below Grade (if applicable).
5. Enter the Siding to Grade. This is the distance from the grade line to the start of the exterior finish on the building. This dimension is used to calculate the amount of Parging that will be required.
6. Enter the number of inside and outside 90° and 45° corners.
7. Select Yes (Y) or No (N) to the additional design options on the right side of the Level Details box. If Yes (Y) is selected, the corresponding box will be highlighted. Click on that section to enter additional information for that condition. See sections below for details.
8. Once all of the fields on the Level Summary page are completed, click the Calculate button to calculate the form totals for the specific level. Form totals by Level can be viewed by clicking the 'Calculated Values' expansion menu.
9. Click Save.
10. To add another Level, click the Next button and the Add Level popup box will appear.
11. Follow the steps above to complete the remaining levels on the project.
12. Once all levels have been entered in the estimate, click Done.

Login Version

- The Add-Ons button will allow additional product to be added to each level as may be required.
- The Print Reports button allows PDFs to be saved for the individual level. One the Print Reports popup box appears, select the required report for printing and select Preview to review and save the Report, or select Print to automatically print the report without viewing.
- Selecting the Default Prices button will automatically pull in the product pricing from the pricing tab, as setup by the user.

Wall Openings

Note: The program will automatically calculate the information on the left side of the popup box.

Wall Openings *[continued]*

1. Select Y and click the Wall Openings Box.
2. In the popup window, select the Prebuck Buck Type, Metal Flange option and Flashing type for both the rough opening and the window flashing.
3. Also input the Waste Factor Percentage, which will remove a specific percentage of opening area from the overall wall area. The typical waste factor is 75%.
4. Select the Type of opening (Window or Door), as well as the Scale (dimension type) for the opening being entered. Enter the opening width and height, as well as the quantity of that sized opening on that specific level. Click Add.
5. The opening size and quantity will be added to the list. Different opening types, sizes and quantities can be added by repeating steps 2-4.
6. To remove an opening, select the opening size from the list and enter the quantity of that sized opening to be removed. Click Remove.
7. Click Save when complete.

Reinforcement

1. Select Y and click the Reinforcement Box.
2. In the Reinforcement popup box, select the size and reinforcement bar spacing for both horizontal and vertical reinforcement. If the exact spacing is not shown, select the closest spacing to give the most accurate estimate for reinforcement as possible.
3. Select whether the reinforcement will be a Single Matt or Double Matt for both the horizontal and Vertical reinforcement.
4. Click Ok.

> **Note:** The Reinforcement tab only estimates the amount of reinforcement for the main ICF walls. The required lintel reinforcement for openings (ie. doors and Windows) is not included in this calculation and should be estimated separately based on the required lintel reinforcement for each individual opening.

Brick Ledge

1. Select Y and click the Brick Ledge Box.
2. In the Brick Ledge popup box, enter the length of Brick Ledge required for the building.
3. If Brick Ledge Extensions will be required on the project for locations where it does not allow for standard Brick Ledge Forms to be used (I.e sloping brick, coursing does not match required brick locations, etc…) enter the length of Brick Ledge Extension required.
4. Select whether the Brick Ledge stirrups will be Pre-Bent or Bent on-site. If Bent on-site is selected, the required length of additional reinforcement will be automatically added to the total length of reinforcement for the project.

5. Select how the Brick Ledge corners will be constructed for both 90° and 45° corners. If there are no corners affected by the Brick Ledge, leave both options empty.
   - Miter Standard Brick Ledge Forms- This option will remove the required number of standard corner forms, as well as add the additional Standard Brick Ledge form length required to construct the corners.
   - Use Standard Corner and Add Brick Ledge extension - This option will remove the required length of Standard Brick Ledge forms taken up by the Standard Corner forms, as well as calculate the total number of Brick Ledge Extensions required.
6. Enter the number of Inside and Outside 90° and 45° corner forms where the brick ledge will be required.
7. Click Ok.

Taper Top

1. Select Y and click the Taper Top Box.
2. In the Taper Top popup box, enter the length of One-Sided or Two-Sided Taper Top form required for the building.
3. If 'Use Mitered Corners' is selected, this will remove the required number of standard corner forms, as well as add the additional One Sided or Two Sided Taper Top form length required to construct the corners.
4. Enter the number of Inside and Outside 90° and 45° corner forms where the One-Sided or Two-Sided Taper Top will be required.
5. Click Ok.

T- Walls

1. Select Y and click the T-Walls Box.
2. In the T-Walls popup box, enter the number of T-Connections on the level.
3. Enter the number of courses of T-Connections required.
4. Click Ok.

Gable Ends

1. Select Y and click the Gable End Box.
2. Enter the Gable End width and height, as well as the quantity of that sized gable end. Click Add.
3. The Gable End size and quantity will be added to the list. Different Gable end sizes and quantities can be added by repeating step 2.
4. To remove a Gable End, select the Gable End size from the list and enter the quantities of that sized Gable End to be removed. Click Remove.
5. Click Save.

![Nudura logo]

Radius

1. Select Y and click the Radius Box.
2. In the Radius popup box, enter the outside dimension of the radius.
3. Enter the O/A (Overall) Form Thickness.

Concrete Core Thickness	Overall Thickness
- 4" (102 mm) _____	9 1/4" (235 mm)
- 6" (152 mm) _____	11 1/4" (286 mm)
- 8" (203 mm) _____	13 1/4" (337 mm)
- 10" (254 mm) _____	15 1/4" (387 mm)
- 12" (305 mm) _____	17 1/4" (438 mm)

4. Enter the inside dimension of the radius.
5. Enter the number of courses of radius required.
6. Enter the degree of rotation of the radius.
7. Click Ok.

> **Note:** The outside dimension of the radius, the overall form Thickness, and the inside dimension of the radius need to be entered in either inch (Imperial) or mm (Metric).

Height Adjustment Choices

If the wall height entered does not match exact Nudura coursing heights, the Height Adjustment Choices popup will appear. This box will allow the height of the wall to be raised or lowered to an ideal dimension or left at the height entered. The selection made in the Height Adjustment Choices box will affect the product quantities for that specific level. The ideal choice for the wall height input will be in **Bold**.

Maintain Wall Height

Maintain Wall Height selections will allow the height of the wall to remain at the specific height entered, as well as give options on which Nudura forms to use to reach the specified height.

Raise Wall Height

Raise Wall Height selection will allow the height of the wall to be raised to meet an exact form course height. This selection will automatically change the height of the wall on the specific level page, as well as adjust total form quantities as required.

Lower Wall Height

Lower Wall Height selection will allow the height of the wall to be lowered to meet an exact form course height. This selection will automatically change the height of the wall on the specific level page, as well as adjust total form quantities as required.

Additional Products

The Additional Products page calculates the Hydrofoam® and Homega®. This page will only appear once you complete the level pages. Click Next once the required information is input or if additional products are not required.

Hydrofoam®

1. Select the checkbox beside Use Hydrofoam®.
2. Select the Hydrofoam® panel thickness required.
3. Enter the Floor Area to be covered with Hydrofoam®.
4. Click Save.

Homega® - Wall Insulation Technology

1. Select the checkbox beside Use Insulation Technology.
2. Enter the required area to be covered with Homega®.
3. Enter the number of layers of Homega® to be used.
4. Select the Fastening Strip Material required.
5. Select the Homega® panel thickness required.
6. Wood Screws are automatically calculated. Select the checkbox beside Use Concrete Screws to calculate Concrete Screws instead of Wood Screws.
7. Click Save.

Homega® - Ceiling Application

1. Select the checkbox beside Use Ceiling Technology.
2. Select the Homega® panel thickness required.
3. Enter the required area to be covered with Homega®.
4. Click Save.

Alignment System

The Alignment System page calculates the required alignment system for the project. Click Next once the required information is input or if the alignment system is not required.
1. If Alignment System is required to purchase or rent for this order, select the checkbox under Include.
2. If the Alignment System will be rented for the project, check the box under Rent and input the required number of rental days.
3. If the Tall Wall Adapter System is needed for the project, check the box under Include.
4. If the Tall Wall System will be rented for the project, check the box under Rent and input the required number of rental days.
5. Click Save.

Additional Accessories

The Additional Accessories page calculates the required quantities for items such as waterproofing, vertical joint clips, screws, etc. Click Next once the necessary information is input or if additional accessories are not required.

1. On the Additional Accessories page, select the checkbox beside the accessory item you would like to include in the estimate. Some product quantities will automatically be calculated.
2. If brick ties and hex screws are required, select the checkbox beside each and input the amount required.
3. If the Rebar Bender is required on the project, select the Include checkbox, and if the
4. Rebar Bender will be rented, select the Rent checkbox.
5. Input the number of rental days required as well as the number of Benders required.
6. Click Save.

One Series

The One Series page calculates the required form quantities for the One Series System. Click Next or Proceed to Summary once the required information is input or if the One Series System is not required.

1. On the One Series page, select the checkbox beside Use One Series Form.
2. Enter the required length of One Series Wall on the project.
3. Enter the Height of the One Series Wall.
4. Select the Core Width Insert Web required.
5. Enter the number of outside and inside 90° corners.
6. If a One Series Jig is required on the project, select the checkbox beside Require Jig.
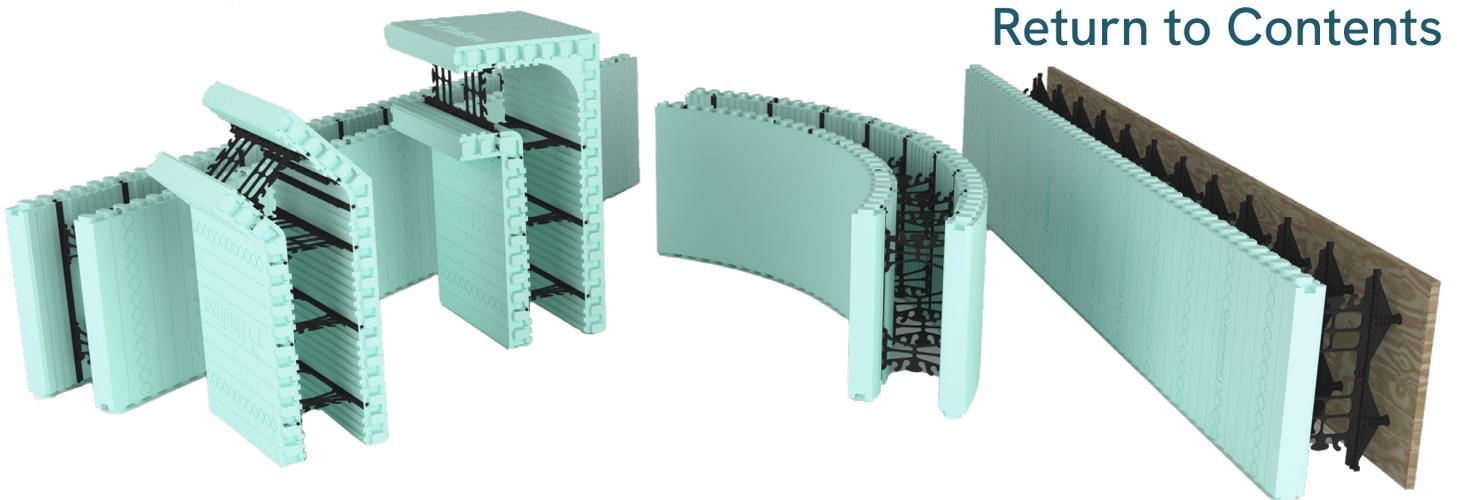7. Click Save.

Login Version

- If additional product is required over what is calculated, use the Add-Ons Button.
- Selecting the Default Prices button will automatically pull in the product pricing from the pricing tab, as setup by the user.

Note: The Core Width selected in step 4 is the size of the insert web that will be used. The overall concrete wall thickness will be the Core Width selected plus 2-5/8" (66mm).

Summary

The Summary page is where all the product totals, as well as any extra information input on the previous page are accumulated. The estimate can be saved as a PDF to your computer. Once the estimate is complete, click the Done button.

Return to Contents

8