

Example 2 – Creating a Weatherboard wall from the Wall Library tab

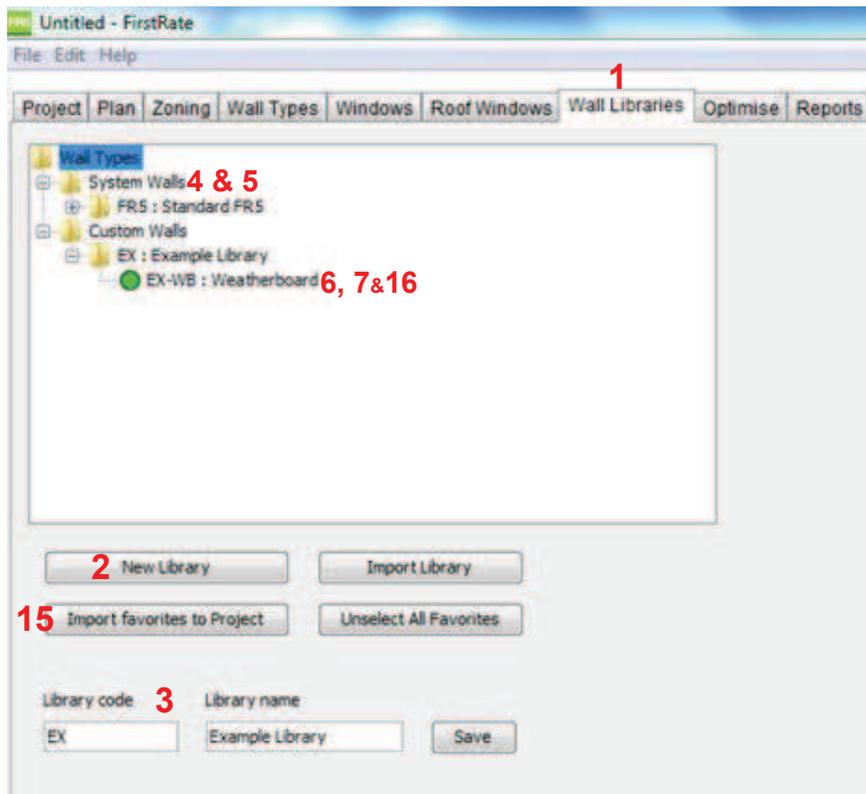
In the following example a Custom wall will be created from a System wall and saved as a Favourite wall in a new library. The wall will be built with the following build up:

Outside

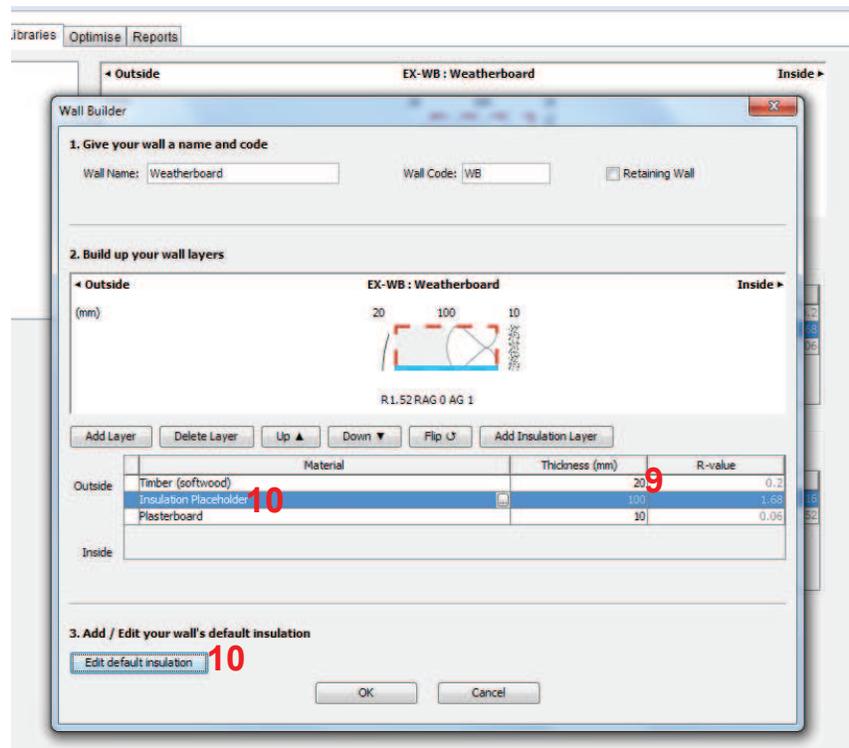
20mm	Timber (softwood)
50mm	Air gap (unventilated with single sided foil (e = 0.2 from manufacturer's literature))
50mm	Rockwool batt R1.5
10mm	Plasterboard

Inside

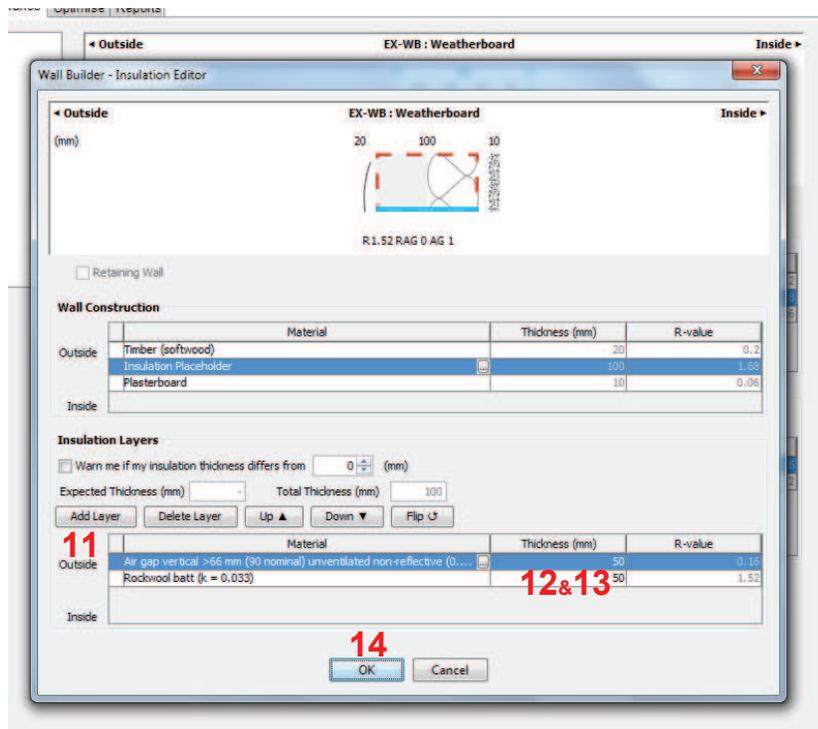
This wall construction is very similar but not identical to the System wall *FR5-WB*. For that reason we will use the System wall as a starting point for the construction of our Custom wall.



1. Click on the Wall Library tab.
2. If you have not already done so, create a custom library by clicking on the *New Library* button.
3. Type Library Code and Library Name followed by the *Save* button. A new folder with these details will be created in the Custom Walls library.
4. Click on *System Walls > FR5: Standard FR5* and select the System wall to be modified, in this case *FR5-WB*.
5. Right click on the wall to be modified and click *Copy*. Ensure the correct folder in your Custom Library is displayed below and click *Save*.
6. Navigate to the copied wall in your Custom Library.
7. Right click on the copied wall and click *Edit*.



8. The *Wall Builder* dialogue box opens and allows you to edit wall construction and insulation layers.
9. Manually change the *Timber (softwood)* thickness to 20mm.
10. Click on the insulation placeholder followed by the *Edit Default Insulation* button. The *Wall Builder – Insulation Editor* dialogue box opens.



11. Add Layer.
12. Click the *Edit* button on the outermost layer (top layer in the table) and select the *Air gaps (ventilated 31-65mm; 40 nominal) > Vertical > Air gap vertical 31-65mm (40 nominal) unventilated reflective (0.2/0.9; E = 0.20)* and click *OK*. Manually change the nominal thickness of 40mm to 50mm.
13. Edit the innermost layer (bottom layer in the table) and select *Insulation (bulk) > Specific resistance > Rockwool batt: R 1.5* and click *OK*.
14. Click *OK* to save your wall.
15. Make sure your new Custom wall is highlighted in green and click on the *Import Favourites to Project* button. If you only want to import this one wall then click *Unselect All Favourites* before carrying out this step.
16. It will now appear in the Wall Types tab and be available for use in the project and also be stored in your library for future projects.