

Why VE performs slowly in VE-Compliance tool after importing a model from SketchUp/Revit plugin?

Answer

This happens due to the large number of Thermal Templates that are imported when using the SketchUp/Revit plug-ins. Besides that, the Thermal Templates imported via the plug-ins also have NCM Building types defined on them.

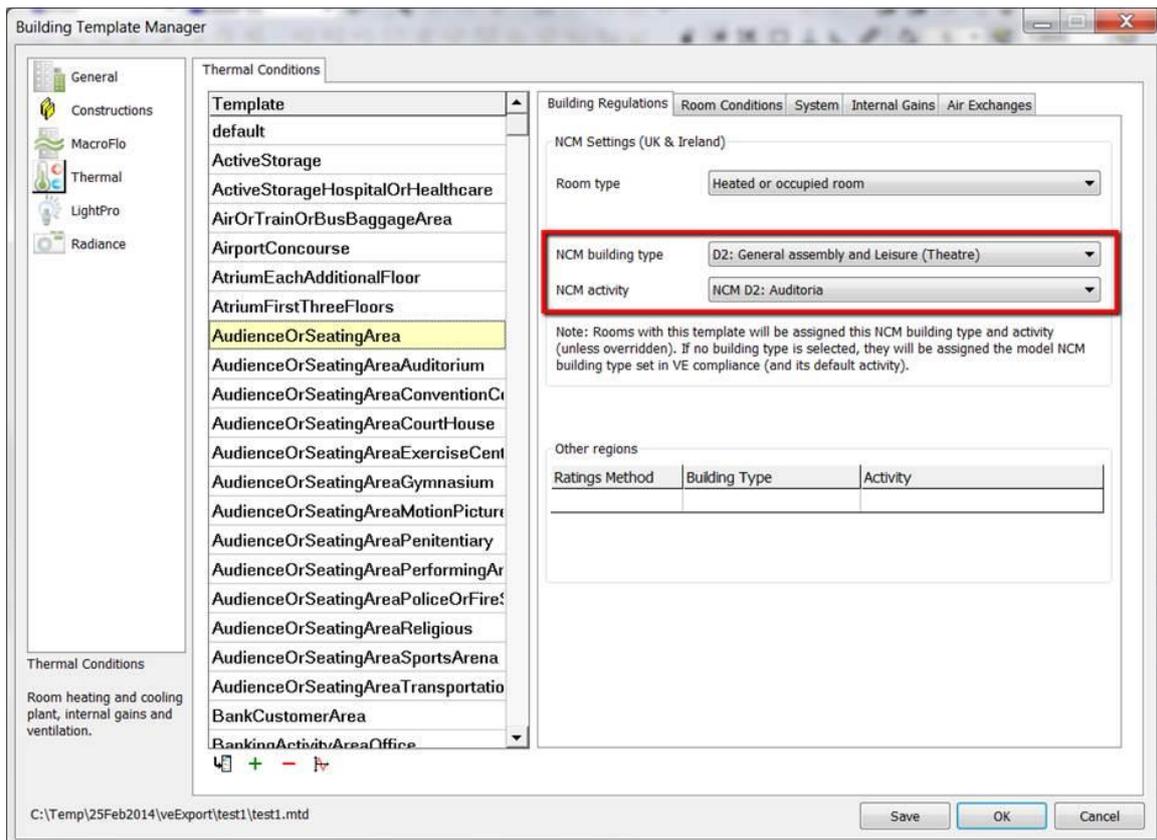


Figure 1: Building Template Manager – Thermal Templates with NCM Building Type defined when importing a model from the plug-ins

Therefore, in VE-compliance tool, for every room that has NCM Building Type and Room Activity defined and for every Thermal Template that has NCM Building Type and Room Activity defined, the VE automatically imports all of the associated NCM data for each referenced Building Type.

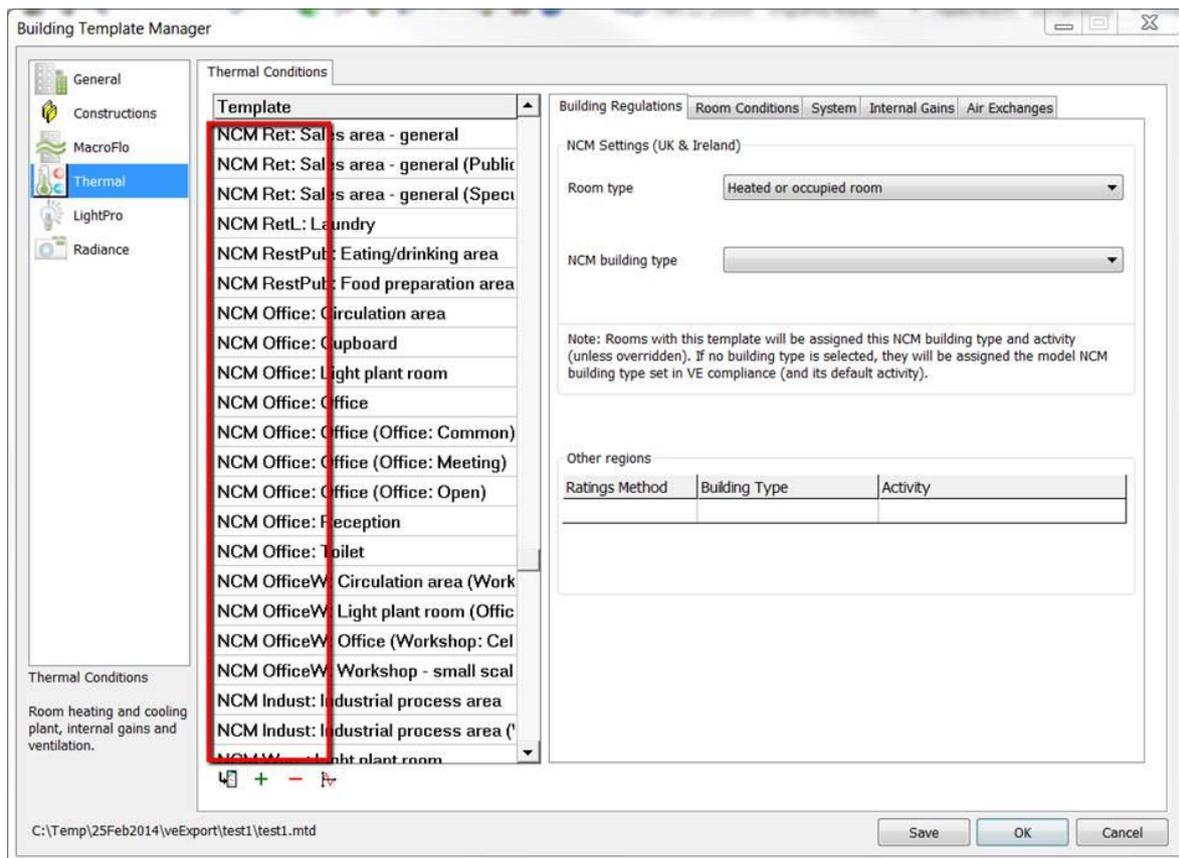


Figure 2: Building Template Manager - All NCM data are imported automatically

To remove the unnecessary templates:

- export the geometry via ModelIT “Export GEM file” and import it into a blank project before starting setting up the model,

or

- remove the unused templates manually.

Export a GEM file, by simply selecting: File > Export > VE Geometry (GEM). Then import the file created into a new blank project by opening a new project and selecting: File > Import > VE Geometry (GEM). This creates a project with the same geometry but none of the constructions or templates imported. Notice that any assigned templates are lost too.

If you have thermal templates assigned you can remove the unused templates manually:

Open the Tabular Building Template Manager in ModelIT, tick all the templates, untick the default template and press the red dash button to delete all the unused thermal templates. Notice that an message pops up that the assigned templates were not deleted.

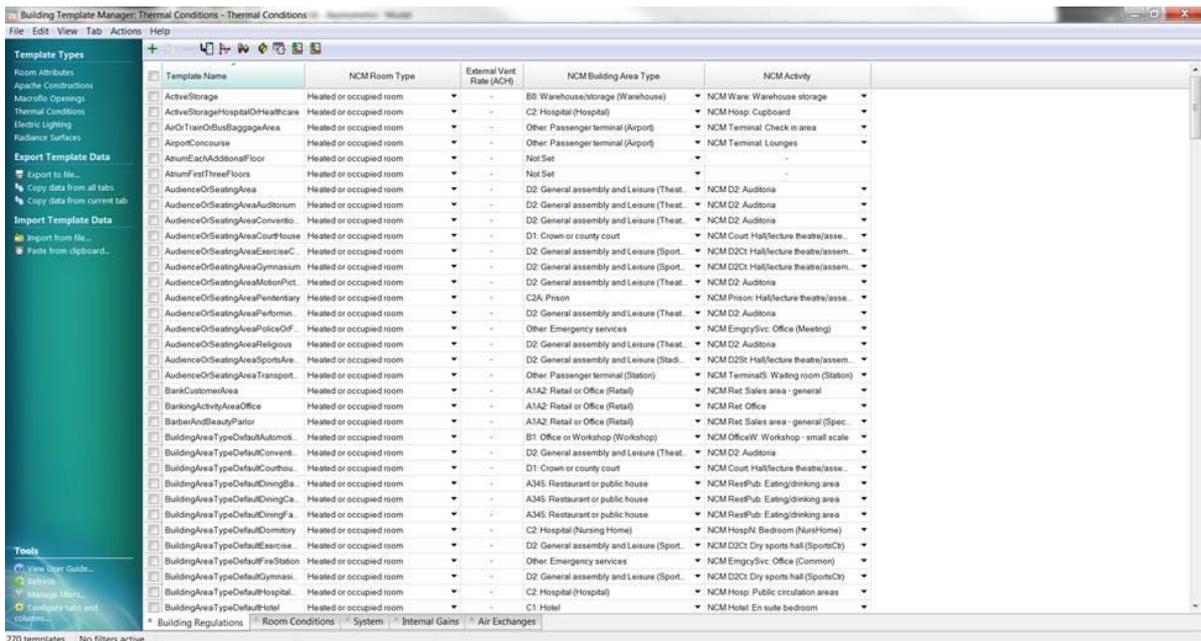


Figure 3: Tabular Building Template Manager with unused templates imported by the plugin

If necessary, remove any references that remain in Room Data using Tabular Room Data and try to follow as a general rule to have no more than 3 NCM Building Types in use for any project.

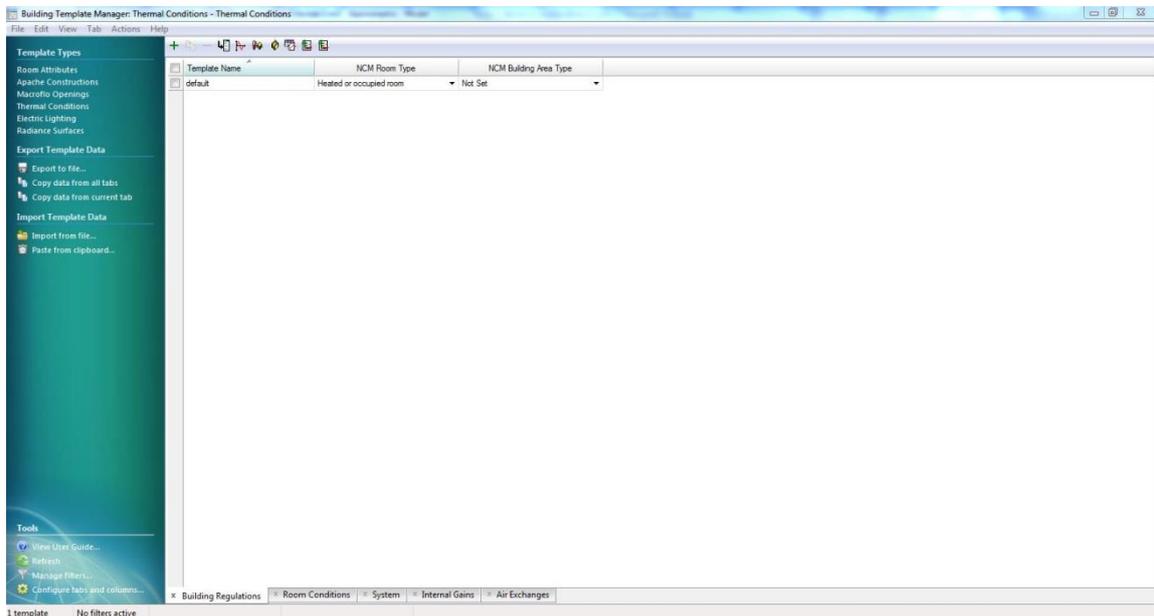


Figure 4: Building Template Manager with unused templates removed

After this, the project becomes more manageable and responsive.