

CarboLifeCalc – Installation and Quickstart

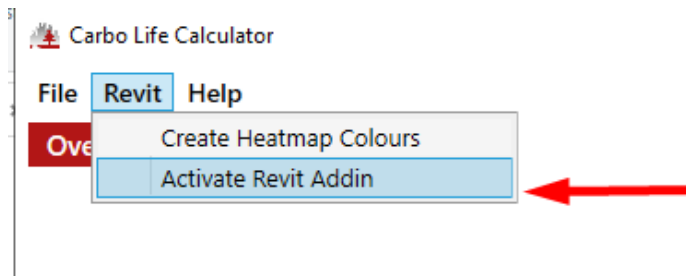
For Build February 2021.3

Install (for Revit 2019, 2020 & 2021)

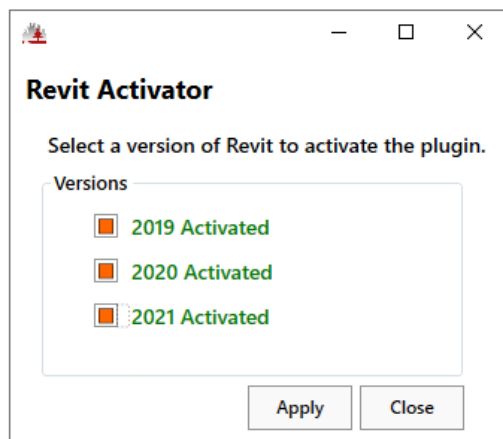
Launch: CarboLifeCalc.exe, Click: *Launch*



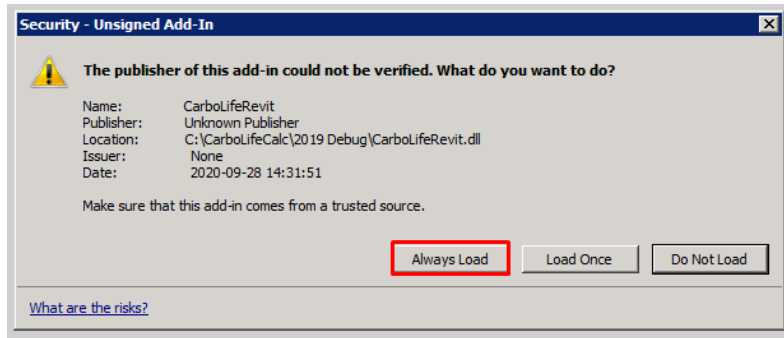
Select: *Revit* -> *Activate Revit Addin*



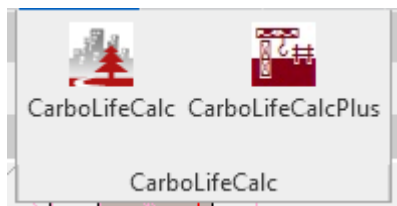
In the activator, select the versions to install and click: *Apply*



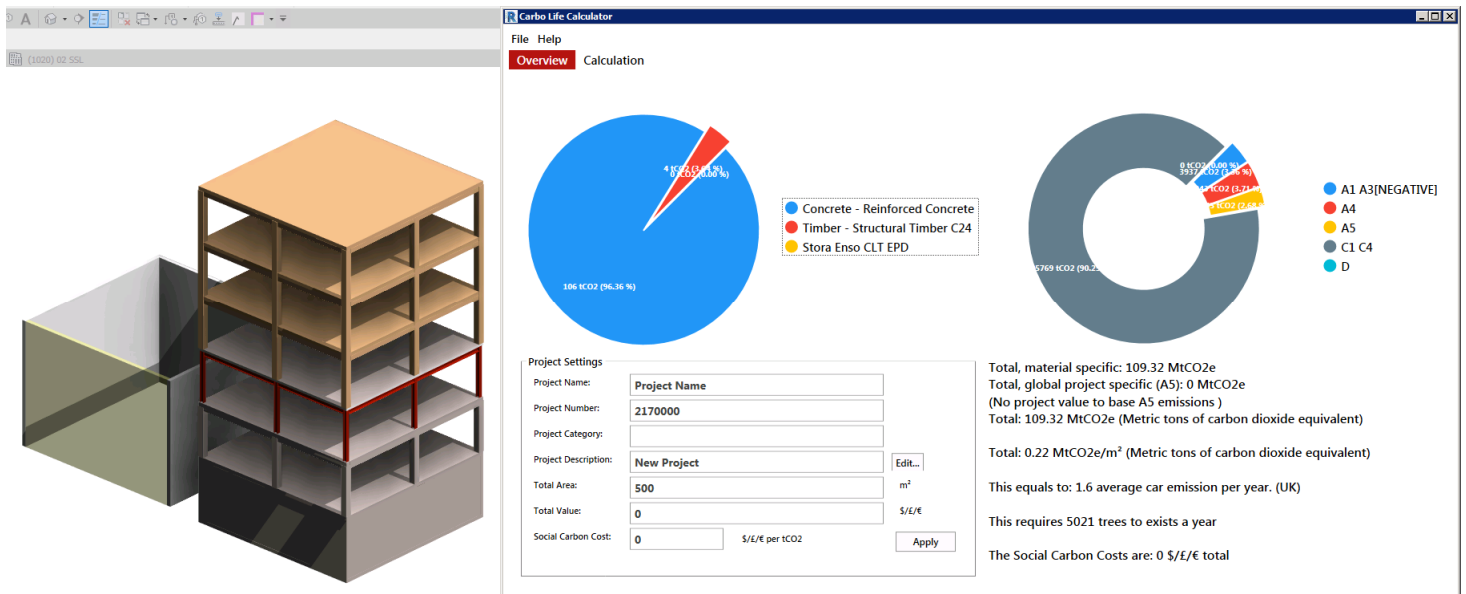
In Revit you will now see a pop-up, click *Always-Load* to activate the addin.



You will now have CarboLifeCalc addin shown in your Add-in panel.
Click: *CarboLifeCalc* when a 3D view is active:



When a 3D view is active it will perform an Embodied Carbon Analysis with one press of a button. As a default, all visible elements and shown options will be calculated, excluding existing and demolished elements.



You can use the *Calculation* tab to perform detail calculation:

Select a row in the table to change the materials, the closer the name of the material matches the name of the materials from the Revit model, the more accurate the initial mapping will be.

Carbo Life Calculator

File Help

Overview **Calculation**

Edit Actions Sort by: Material

Category	Material	Description	Volume (m³)	Density (kg/m³)	Mass (kg)	CO2 Density (kgCo2/kg)	Total (tCo2)	%
Concrete - Reinforced Concrete			Total: 105.7248 tCo2 / 96.71 %					
Floors	Concrete - Reinforced Concrete	A new group	40	2400	96000	0.67	64.58	100.00 %
Walls	Concrete - Reinforced Concrete	A new group	25.48	2400	61152	0.67	41.14	37.63 %
Timber - CLT			Total: 0.0138 tCo2 / 0.01 %					
Floors	Timber - CLT	A new group	60	1	60	0.23	0.01	0.01 %
Timber - Structural Timber C24			Total: 3.5808 tCo2 / 3.27 %					
Structural Columns	Timber - Structural Timber C24	A new group	9.7	480	4656	0.38	1.75	1.6 %
Structural Framing	Timber - Structural Timber C24	A new group	10.15	480	4872	0.38	1.83	1.67 %

TOTAL: xxx tCo2 (Recalculate to refresh)

Id	Name	MaterialName	Category	SubCategory	Volume	Level	isDemolished	isExisting	isSubstructure	Material
833762	200mm THK RC SLAB	Concrete - Reinforced Concrete	Floors		20	-3450	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	CarboLifeAPI.Data.CarboMaterial
834721	200mm THK RC SLAB	Concrete - Reinforced Concrete	Floors		20	0	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	CarboLifeAPI.Data.CarboMaterial