



SMARTERBIM
Count

User's Manual

SMARTERBIM Count



SMARTERBIM Count | User Manual

Version: 1.3.1

Compatible with: Autodesk Revit 2026 and upper

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Introduction	4
1. Before starting	4
System Requirements.....	4
How to Install	4
How it acts with the models.....	4
First Time You Click the Button	4
2. License System Explained (Very Important)	5
2.1 Assigned License (Single Machine License)	5
2.2 Floating License	5
2.3 Offline Usage Rules (Applies to Both License Types).....	5
2.4 Changing Account or Transferring License	5
3. The Main Landing Screen.....	5
Screen Elements.....	5
4. Measurement Modes Explained in Detail.....	6
Mode 0 – Measure Only	6
Mode 1 – Measure & Export (Recommended for most users)	6
Mode 2 – Export Only.....	6
5. Working with Phases – How It Really Works	7
What Is a Phase?	7
How SMARTERBIM Count Uses Phases.....	7
Special Options	7
Important Notes About Phases	7
6. Multi BOQ (Multi measurements.....	8
7. The Configuration Panel	9
7.1 General Section	9
7.2 Labels Section	10
7.3 Logo and Company Branding	11

7.4 User Account Management (Top of the Window)	11
7.5 Coatings Section	12
7.6 Stairs Section	13
7.7 BOQ Section (Pricing and Descriptions)	14
7.8 Chapters Section (Hierarchy)	16
8. Running the Tool – Complete Step-by-Step Workflow	17
9. Updates and Version Management	17
Important Rules About Updates	17
10. Troubleshooting and Common Issues	18
“Essential parameters are missing”	18
“This account is already locked to another computer”	18
Coatings or Stairs are not measured	18
Excel file has no structure / everything appears in one chapter	18
Tool shows “Offline” even with internet	18
11. Best Practices Summary	18
12. Sample project included	19
Final Notes	21

Introduction

Welcome to **SMARTERBIM Count**. This tool allows you to automatically measure quantities from your Revit model (including linked files (attached links inside links, are also considered)), write those quantities back into your project parameters, and generate a professional, well-structured Bill of Quantities (BOQ) in Microsoft Excel. This manual is written for end users — BIM Managers, BIM coordinators, quantity surveyors, architects, and project managers. It explains every screen, every setting, and every possible situation you may encounter.

Important: Take the time to read the **Configuration Panel** section carefully. Most problems users face come from incorrect or incomplete configuration.

1. Before starting

System Requirements

- Autodesk Revit 2026
- Windows 10 or Windows 11 (64-bit)
- Stable internet connection (required for license validation and updates)

How to Install

1. Your company's BIM Manager or IT department will provide the installation files.
2. The add-in is placed in the correct Revit Add-ins folder (usually done centrally).
3. Restart Revit completely.
4. You should see a new tab called **weCODEit** in the Revit ribbon.
5. Inside the **BOQ** panel, you will find the **SMARTERBIM Count** button.

How it acts with the models

First of all, we need to have at least two types of rvt files, the showcase file (Specs) and the model files (Model). See section 12.

On the specs file, we'll have a sample of every single object present in the models, with all its information, this will act as a main source, so when you update a description or something else, it will be automatically updated on model files, upon import.

You've got to make sure, to have all the correct parameters imported to where they are supposed to be, according to the parameters table you will find alongside with this manual.

All categories, except from site, will be extracted from linked models to the specs files.

Site category, is reserved for preliminary works, like Demolitions and such.

First Time You Click the Button

The first time you run the tool, it will ask for your registered email address. This email is linked to your license. After entering it, the tool will validate your license and allow you to proceed.

2. License System Explained (Very Important)

SMARTERBIM Count uses a modern license system with two different types of licenses.

2.1 Assigned License (Single Machine License)

- This license is locked to one specific computer.
- Once activated on a machine, it stays registered to that computer.
- If you want to move the license to another computer, you must first **remove it** from the current machine (by logging out) and then activate it on the new machine.
- There is normally a **90-day cooldown** before you can transfer an assigned license to another computer.
- Best suited for users who always work on the same workstation.

2.2 Floating License

- This license can be used on **multiple computers** (within the same office/site).
- The license is **borrowed** for the duration of your work session.
- **Critical rule:** Only **one user at a time** can use the floating license. If another person is already running the tool with the same floating license, you will not be able to start until they finish.
- When you close the tool (or Revit), the license is automatically released and becomes available for the next person.
- Ideal for teams that share licenses.

2.3 Offline Usage Rules (Applies to Both License Types)

- You can work offline for a maximum of **5 consecutive days** after your last successful internet connection.
- There is also a lifetime limit of **4 offline uses**. After 4 offline sessions, you must connect to the internet again to reset the counter. **Tip:** If you know you will be working offline for several days, connect to the internet at least once before disconnecting.

2.4 Changing Account or Transferring License

You can change the email/license associated with your computer directly from the Settings screen (explained later).

3. The Main Landing Screen

When you click the **SMARTERBIM Count** button in the Revit ribbon, the main window appears.

Screen Elements

- **Phases to consider** (dropdown) – Choose which construction phase(s) you want to measure. You can opt between “All”, a specific phase, or a combination of phases.

- **Operating Mode** (dropdown) – This is one of the most important choices. See Section 4.
- **Multi BOQ** – If you select this, and then hit Execute, you will get a new window, that will allow you to make independent measurements inside the same project, and extract them in a single file, with a measurements resume included. See section 6.
- **Execute** button – Starts the measurement and/or export process.
- **Settings** button (Gear icon) – Opens the full configuration panel. This is where you tell the tool which Revit parameters to use. See section 7.
- **Status** (Online / Offline) – Shows whether the tool can communicate with the license server.
- **Version number** – Displays the current version of the tool.
- **User email** (clickable) – Shows the currently logged-in account. Click it to change account or log out.

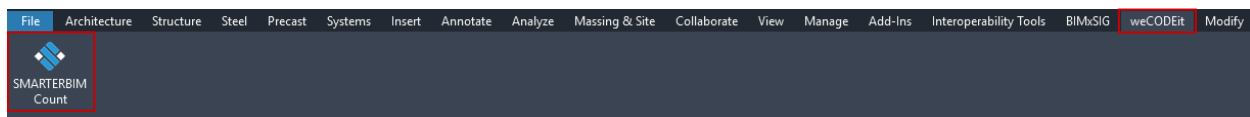


Image 1 | Revit add-in area of weCODEit and Icon of SMARTERBIM Count

4. Measurement Modes Explained in Detail

You must choose one of the three modes every time you run the tool.

Mode 0 – Measure Only

- The tool will calculate quantities for Coatings, Stairs, and all other elements.
- It will write the results into the **Measurement** parameter of each element.
- It will also write the measurement date and update the “Present On Links” flag.
- **No Excel file** is generated.
- Use this mode when you only want to update quantities inside Revit (for example, before issuing a model to someone else).

Mode 1 – Measure & Export (Recommended for most users)

- Performs everything that Mode 0 does.
- After writing quantities back to Revit, it automatically generates a complete Excel BOQ file.
- This is the most commonly used mode.

Mode 2 – Export Only

- The tool skips all measurement calculations.
- It reads the quantities that already exist in the **Measurement** parameter.
- It then generates the Excel BOQ using those existing values.
- Use this mode when:

- You have already measured everything in a previous session.
- You only want to regenerate the Excel report (perhaps after changing labels or chapter structure).
- You made manual adjustments to quantities in Revit and now want a fresh BOQ.

Recommendation: Use Mode 1 for normal daily work, and Mode 2 when you only need to refresh the Excel output.

5. Working with Phases – How It Really Works

The Phase selector is more powerful than it first appears.

What Is a Phase?

In Revit, a Phase represents a stage of construction (for example: “Existing”, “New Construction”, “Demolition”, “Phase 1”, “Phase 2”, etc.).

How SMARTERBIM Count Uses Phases

1. The tool looks at the **Phase Created** parameter of every element.
2. It only measures elements that belong to the phase you selected.
3. It does this for all linked Revit files.

Special Options

- **“All”** – Measures every element regardless of phase. Use this with caution on large projects.
- **Specific Phase** (example: “New Construction”) – Only elements created in that phase (in the host file and in linked files) will be measured.

Important Notes About Phases

- The list of phases is collected from your current model **and all linked models** automatically.
- If you do not see a phase you expect, make sure the linked model is loaded (not unloaded).
- Elements without a phase (very rare) are usually ignored.

Best Practice: Always try to work with specific phases rather than “All” when possible. This gives you cleaner, more controlled results.

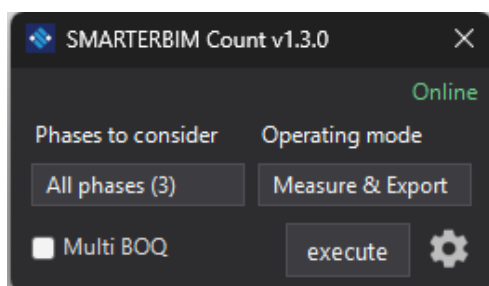


Image 2 | Main window

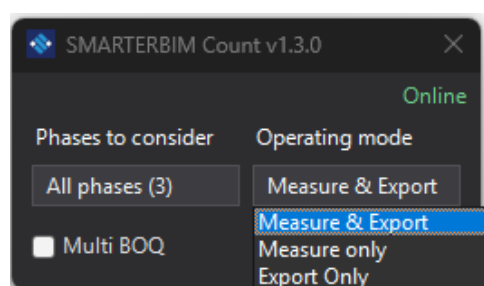


Image 3 | Main window dropdown options

6. Multi BOQ (Multi measurements)

Sometimes we are measuring a project, and come across the fact that we need multiple different measurements, may be by block, or by phase and so on, with a resume on first tab, for each measurement set, by chapter.

Using this function, you will be able to do so, you get a form, in which you will get to set as many different measures as you want, name them (without spaces), and select which files to measure, including main file, in which we only measure elements set to site, like for instances, dummies for the construction site section.

You can add new lines of measurement by clicking the green (+) button, on top right, and remove any line, by clicking the red trash bin button on each line.

By clicking the Main (host / site) checkbox, you will include measurements of the main file, you can then or not, include links on that specific line.

And finally, by clicking the linked files button, you will be able to select which files, to include on each measurement line.

At the end, you will get an Excel (xlsx) file, with a resume by chapter on a tab, and a tab for each measurement line set. The file will be preformatted with all the formulas included.

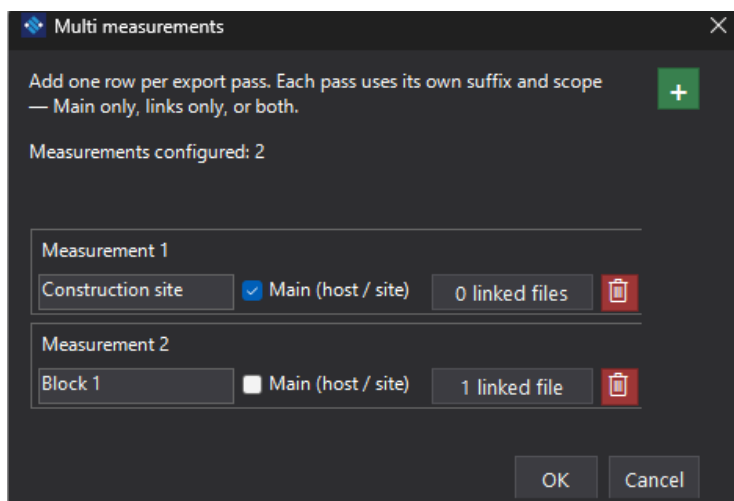


Image 4 | Multi BOQ window

7. The Configuration Panel

This is the most important section of the manual. Incorrect configuration is the #1 cause of wrong results. To open it, click the **Settings** button on the Landing Screen. The configuration window is divided into logical sections. Every field is explained below.

7.1 General Section

This section contains the core parameters the tool needs to function.

All the fields are required

Field Name	Purpose	What Happens If Empty or Wrong	Recommendation
Code	The parameter that stores the article/code of the element	Tool cannot identify elements → nothing measured	Create a dedicated “SBC_Code” parameter
Include in BOQ	Yes/No style parameter that decides whether an element should be measured	Elements will be ignored	Use a Yes/No parameter
Measurement	The parameter where the calculated quantity will be written	Quantities cannot be saved	Create “SBC_Measurement”
Unit	Parameter that tells the tool the unit of measurement (m, m ² , un, etc.)	Tool cannot decide how to calculate	Create “SBC_Unit”

Highly Recommended Fields

- **Area** – Use this if you want to force the tool to read a specific area value instead of the native Revit “Area” parameter.
- **Length** – Same as above, but for length.
- **Measurement Date** – Stores the exact date and time when the measurement was performed.
- **Present On Links** – Technical flag (usually leave mapped).

Other Important Settings

- **Model links**
 - **Yes** – Consider linked model nested links, when set to attached.
 - **No** – Disconsider linked model nested links, when set to attached.
- **Override Date** – Usually kept as “Yes”. Allows the tool to update the measurements, regardless of having already been measured.

SMARTERBIM Count

Bellow you can find the default values for exporting the BOQ, and adjust them as needed. save

General | Coatings | Stairs | BOQ

Model links Yes

Override measurement date? Yes

Logo weCODEit solutions Upload

Parameters

Code	Include in BOQ
wCi_Code	wCi_BOQ_Included
Area	Length
wCi_Area	wCi_Length
Measurement	Unit
wCi_BOQ_Quantity	wCi_BOQ_MeasurementUnit
Measurement Date	Present on Links
wCi_BOQ_Measurement_Date	wCi_BOQ_PresentOnLinks
Date	Version Date
wCi_BOQ_Emission_Date	wCi_BOQ_Revision_Date
Revision	Phase
wCi_BOQ_Revision_Nr	wCi_Phase

Manage account Logout weCODEit solutions

Image 5 | Settings | General section 1/2

SMARTERBIM Count

Bellow you can find the default values for exporting the BOQ, and adjust them as needed. save

General | Coatings | Stairs | BOQ

wCi_BOQ_Emission_Date wCi_BOQ_Revision_Date

Revision Phase

wCi_BOQ_Revision_Nr wCi_Phase

Labels

Discipline	Title	Client
Arquitetura	Estimativa Orçamental	CLIENTE
Project	Code	Phase
PROJECTO	CÓDIGO	FASE
Date	Revision	Date Version
DATA	REVISÃO Nº	DATA VER
Price / un	Total Price	Chapter Total
PREÇO / UN	PREÇO TOTAL	Total do capítulo
Final Total	Article	Description
Total final	ART.	DESCRIÇÃO
Unit	Quantity	
UN	QT	

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Image 6 | Settings | General section 2/2

7.2 Labels Section

Everything in this section controls the **text that appears in the final Excel BOQ**. You can translate the entire report or adapt it to your company's standards.

Fields include: - Document Title (e.g. "Bill of Quantities" or "Estimativa Orçamental") - Client, Project, Code, Phase, Date, Revision headers - Column headers: Article, Description, Unit, Quantity, Unit Price, Total Price, etc. - Totals labels (Chapter Total, Final Total, etc.)

Tip: Change these labels once at the beginning of the project and save the configuration. You will not need to change them again unless the client requests different terminology.

Discipline	Title	Client
Arquitectura	Estimativa Orçamental	CLIENTE
Project	Code	Phase
PROJECTO	CÓDIGO	FASE
Date	Revision	Date Version
DATA	REVISÃO Nº	DATA VER
Price / un	Total Price	Chapter Total
PREÇO / UN	PREÇO TOTAL	Total do capítulo
Final Total	Article	Description
Total final	ART.	DESCRIÇÃO
Unit	Quantity	
UN	QT	

Image 7 | Settings | General section | Export labels

7.3 Logo and Company Branding

You can upload your company logo that will appear at the top of the generated Excel BOQ.

1. Click the **Upload Logo** button
2. Select a PNG or JPG file.
3. The logo will be embedded in the Excel file.

Tip: Use a clean, high-contrast logo with white, or at least solid, background for best results.



Image 8 | Settings | Logo upload

7.4 User Account Management (Top of the Window)

- **Manage account** – Opens a window where you can:
 - Change to a different email/account
 - Transfer the license to this computer (if allowed by license type)
 - Enter password (required for some assigned license transfers)
- **Logout link** – Completely removes the current account from this computer. Use this when you need to move an assigned license to another machine.

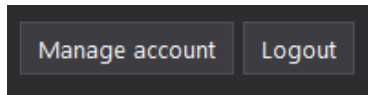


Image 9 | Manage and Logout

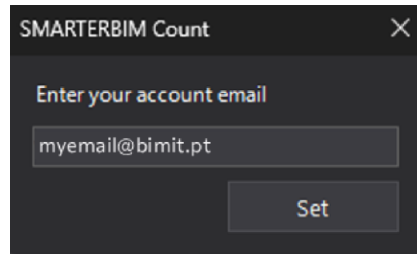


Image 10 | Set new email

7.5 Coatings Section

This section controls how surface finishes (paint, plaster, cladding, etc.) are measured.

Key Setting: “Coatings by Material”

- **Yes (Recommended)** – The tool reads the actual materials applied to walls, ceilings, floors, etc. in Revit. This is the most accurate method.
- **No** – The tool looks for codes inside the three “Coating Code” parameters you define below.

Tip: In order to measure coatings by material, you must add a layer to the element, and its name must be exactly the same as the coating code.

Coating Code 1, 2, and 3

These are parameters (usually on the element type) where you can manually write the coating code/article.

Best Practice: Use “Coatings by Material = Yes” whenever your model has materials properly assigned.

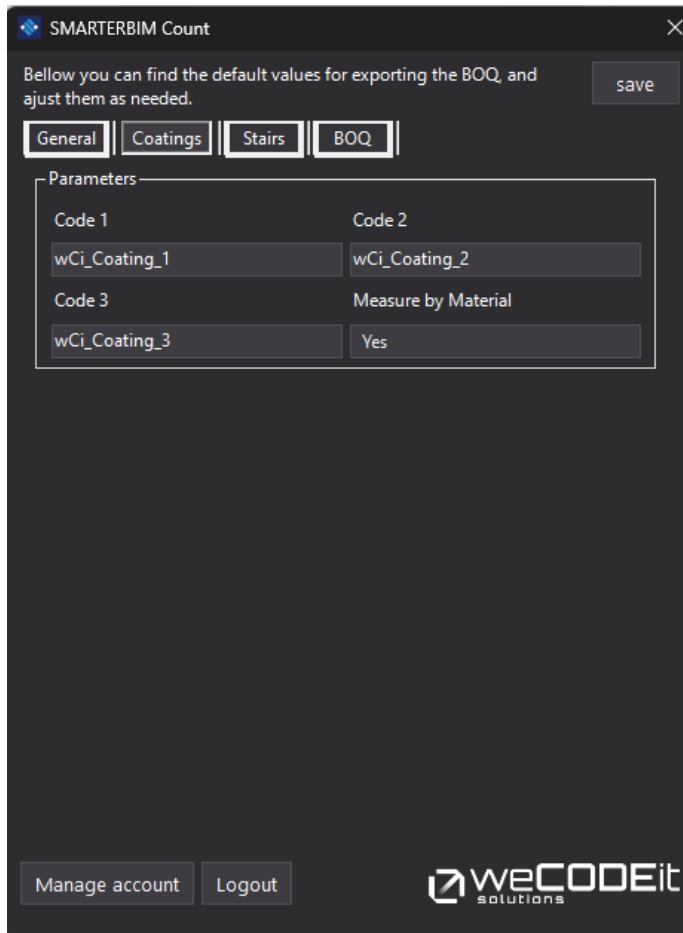


Image 11 | Settings | Coatings section

7.6 Stairs Section

Stairs are complex elements. This section tells the tool how to break them down into measurable parts.

Required Mappings

- Stair Run
- Riser
- Tread
- Run Side
- Landing
- Landing Below

Additional Settings

- **Structural Depth** — The thickness/height of the stair structure (default is usually 0.30 m). Change this according to your project.

- **Run Side Count** — How many side walls/runs should be counted per stair (usually 1 or 2). If any stair parameters are missing or empty, the tool will ask you whether you want to continue without measuring stairs.

SMARTERBIM Count

Bellow you can find the default values for exporting the BOQ, and adjust them as needed.

General Coatings **Stairs** BOQ

Parameters

Run Code	Riser Code
wCi_Run_Below_Code	wCi_Riser_Code
Tread Code	Run Side Code
wCi_Tread_Code	wCi_Run_Side_Code
Landing Code	Landing Below Code
wCi_Landing_Code	wCi_Landing_Below_Code
Structural Depth	Run Side Count
0.30	1

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Image 12 | Settings | Stairs section

7.7 BOQ Section (Pricing and Descriptions)

This section controls how descriptions and prices are built in the Excel file.

Description Formula

You can build dynamic descriptions using parameters from the element.

Examples:

```
{Material} - {Finish} - {Thickness}mm
{Description}, {Suffix}
{Description} and also include {ExtraDescription}
```

The tool will replace the text inside curly brackets with the actual parameter values. The configuration screen has an **auto-complete** feature:

type { and start typing a parameter name — a list will appear.

Pricing Settings

Price Formula

You can build dynamic prices using parameters from the element. Here we can do operations like Addition (+), Subtraction (-), Multiplication (*), Division (/) and also use parentheses () to set precedence of the operation.

Examples:

```
{MaterialPrice}+{LabourPrice}
{MaterialPrice}-{LabourPrice}
{MaterialPrice}*{LabourPrice}
{MaterialPrice}/{LabourPrice}
({MaterialPrice}+{LabourPrice})*2
```

The tool will replace the text inside curly brackets with the actual parameter values. The configuration screen has an **auto-complete** feature:

type { and start typing a parameter name — a list will appear.

Other Pricing Settings

- **Contractor Percentage** – Adds a markup to the calculated price.
- **Overvalue Percentage** – Applies an extra percentage (Only for unitary values).
- **Zero Prices** – Choose how to handle items that have no price (show as zero, hide, etc.).

Image 13 | Settings | BOQ section 1/2

Image 14 | Settings | BOQ section 2/2

7.8 Chapters Section (Hierarchy)

This section is critical for organizing the Excel BOQ into chapters and sub-chapters.

You must map:

- **Chapter**
- **Subchapter**
- **Sub-subchapter** (optional but recommended)
- **Created in Revision** (By number 00,01, etc., will add green background to cell on xlsx if newer, and will bring the new element, to the end of its chapter)
- **Modified in Revision** (Yes or No, if set to yes, will add yellow background to cell on xlsx)
- **Total by** (Either Chapter or Subchapter)
- **Chapter Header** (optional)

The tool uses these parameters to create a properly nested structure in Excel (Chapter → Subchapter → Items).

Chapter Header is used to set a general description at the beginning of a **Chapter** or **Subchapter**.

Warning: If you do not configure this section correctly, your Excel file will probably be exported empty.

Total by	Created in revision
Chapter	wCi_BOQ_CreatedInRevision
Modified in revision	Chapter header
wCi_BOQ_ModifiedInRevision	wCi_BOQ_ChapterHeader
Chapter	Sub Chapter
wCi_BOQ_Chapter	wCi_BOQ_SubChapter
Sub Sub Chapter	
wCi_BOQ_SubSubChapter	

Image 15 | Settings | BOQ section | Chapters

8. Running the Tool – Complete Step-by-Step Workflow

1. Make sure your model is open and all relevant links are loaded.
2. Click the **SB Count** button on the ribbon.
3. On the Landing Screen:
 - Select the correct **Phase** (or “All”).
 - Choose the desired **Measurement Mode**.
4. Click Generate.
5. The black Progress Console appears. You will see:
 - Current step
 - Estimated time remaining
 - Detailed log messages
6. Wait for the process to finish. Do not close Revit.
7. When finished, the console closes automatically.
8. Check the results in Revit (quantities written) and/or the generated Excel file.

Tip: For best results, never measure with schedule open, as it will take much more to reset and write measurements of the values.

9. Updates and Version Management

SMARTERBIM Count is actively maintained, updates are delivered automatically through the system.

Important Rules About Updates

- When a new version is available, the tool will detect it during the license check.
- You must close Revit completely before installing an update.

- All updates are **mandatory**, you will not be able to continue using the tool until you install the new version.
- The tool will provide a download link when an update is detected.
- **Never try to update while Revit is running — this can cause errors.**

Best Practice: When you see an update notification, finish your current work, download it, close Revit, and install the update, then restart Revit.

10. Troubleshooting and Common Issues

“Essential parameters are missing”

Solution: Open Settings → General section and make sure Code, Include in BOQ, Measurement, and Unit are correctly mapped to existing project parameters.

“This account is already locked to another computer”

- Assigned license users: You must wait (usually 90 days) or ask weCODEit to release the license.
- Floating license users: Another person is currently using the license. Wait until they finish.

Coatings or Stairs are not measured

Open Settings and verify the Coatings and Stairs sections are properly configured. You can choose to continue without them if needed.

Excel file has no structure / everything appears in one chapter

The Chapters section in Settings is not configured or the parameters are empty in the model.

Tool shows “Offline” even with internet

Check your internet connection, close Revit completely, wait 30 seconds, and try again.

11. Best Practices Summary

- Create dedicated parameters for SMARTERBIM Count instead of reusing existing ones.
- Use **Measure & Export** mode for normal work.
- Configure the Chapters section.
- Prefer “Coatings by Material = Yes” when possible.
- Test your full configuration on a small pilot project before using it on large models.
- Keep your configuration file backed up when working across multiple projects.
- Always close Revit before installing updates.

<MQT_Print>

A	B	C	D	E	F	G	H
Artigo	Descrição	QT	U	U/€	Custo	wCl_BOQ_Created	Modified?
Capítulo 01 – Estaleiro							
vg							
C1.01	Incluindo todos os trabalhos e acessórios necessários, de acordo com CE, pormenores e indicações d	1.00	vg	0.00	0.00	00	☒
Capítulo 02 – Demolições							
C2.01	Incluindo todos os trabalhos e acessórios necessários, de acordo com CE, pormenores e indicações d	1.00	vg	0.00	0.00	00	☒
Capítulo 03 – Alvenarias, Gesso Cartonado e Argamassas							
03.03 – Gesso Cartonado							

Image 18 | MQT_Print Schedule

<MQT_Work>

A	B	C	D	E	F	G	H	I	J	K	L	M	N
Category	Type	Code	Included	Chapter	SubChapter	Description	Quantity	MeasurementUnit	UnitPrice	MeasurementDate	PresentOnLinks	CreateRevision	wCl_boq_Modified
<varies>	<varies>												
Pumbing Fixtures	wCl_74.02		☒	Capítulo 03 – Alvenarias, Gesso Cartonado e	Alvenarias, Gesso Cartonado e Ar	Parede em bloco de tipo térmico de 25cm.	<varies>	m2	0.00	2026-07-01 11:24:10	☒		
Walls	wCl_21.01	21.01	☒	Capítulo 03 – Alvenarias, Gesso Cartonado e	03.03 – Gesso Cartonado	Ferra interior em gesso cartonado.	118.77	m2	0.00	2026-07-23 15:24:23	☒		
Walls	wCl_22.02	22.02	☒	Capítulo 03 – Alvenarias, Gesso Cartonado e	Alvenarias, Gesso Cartonado e Ar	Parede interior de 15cm em tipo.	<varies>	m2	0.00	<varies>	☒		
Walls	wCl_22.02	22.02	☒	Capítulo 03 – Alvenarias, Gesso Cartonado e	03.03 – Gesso Cartonado	Parede interior de 15cm em tipo.	6.41	m2	0.00	2026-07-23 15:24:23	☒		
Walls	wCl_22.04_v_50	22.04	☐	Capítulo 03 – Alvenarias, Gesso Cartonado e	03.03 – Gesso Cartonado	Parede em bloco de tipo de 25cm	<varies>	m2	0.00	<varies>	☒		
Floors	wCl_23.50	23.50	☒	Capítulo 04 – Betonilhas Compostas, Imperme	04.02 – Betonilha Composta Interior	Betonilha interior com impermeabilização.	6.09	m2	0.00	2026-06-14 22:22:15	☒		
Floors	wCl_23.51	23.51	☒	Capítulo 04 – Betonilhas Compostas, Imperme	04.02 – Betonilha Composta Interior	Betonilha interior.	10.26	m2	0.00	2026-07-23 15:24:23	☒		
Windows	wCl_31M.01	31M.01	☒	Capítulo 08 – Serralhas, Alumínios e Vidros	08.03 – Vãos Metálicos	Vão Exterior metálico.	61.13	m2	0.00	2026-07-23 15:24:23	☒		
Windows	wCl_31M.02	31M.02	☒	Capítulo 08 – Serralhas, Alumínios e Vidros	08.03 – Vãos Metálicos	Vão Exterior metálico.	1.00	u	0.00	2026-07-01 11:24:10	☒		
Doors	wCl_31M.03	31M.03	☒	Capítulo 08 – Serralhas, Alumínios e Vidros	08.03 – Vãos Metálicos	Vão Exterior metálico.	2.00	u	0.00	2026-07-23 15:24:24	☒		
Doors	wCl_31M.01	31M.01	☒	Capítulo 07 – Capitanias	07.01 – Portas de Madeira	Vão Exterior de madeira.	1.00	u	0.00	2026-07-01 11:24:10	☒		
Pumbing Fixtures	wCl_320.01	320.01	☒	Capítulo 08 – Serralhas, Alumínios e Vidros	08.03 – Vãos Vidro	Vão interior de vidro.	1.00	u	0.00	2026-07-23 15:24:23	☒		
Doors	wCl_32W.01	32W.01	☒	Capítulo 07 – Capitanias	07.01 – Portas de Madeira	Vão interior de madeira.	2.00	u	0.00	2026-07-01 11:24:10	☒		
Walls	wCl_35.50	35.50	☒	Capítulo 09 – Revestimentos Interiores	09.02 – Rodapé	Rodapé em MDF.	3.34	m2	0.00	2026-07-23 15:24:23	☒		
Ceilings	wCl_35.50	35.50	☒	Capítulo 09 – Revestimentos Interiores	09.04 – Tectos Falsos	Tecto interior.	10.20	m	0.00	2026-07-23 15:24:23	☒		

Image 19 | MQT_Work Schedule

Final Notes

SMARTERBIM Count is a powerful tool, but its accuracy depends almost entirely on correct configuration. Take the time to properly map all parameters in the Settings panel.

Once configured correctly for a project, the tool will save you many hours of manual measurement work and produce consistent, professional results every time.

For further assistance, contact your BIM Manager, IT Director or email: help@wecode-it.com

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Required parameters for SMARTERBIM Count

Name (The wCi can be replaced by your companies adopted style of prefix)	Mandatory?	Shared	Data Type	Type / Instance	In which categories	Files where to import			Notes (All these parameters shall be created on the Data group of information)
						Model	Specs	Familias .rfa	
wCi_Code	x	x	text	type	All that must be on specs + Site category	x	x	x	Element coding. Mandatory filling for measurement
wCi_Description	x	x	text	type		x	x	x	Description that appears in the sheets and tables of the Execution Project elements. It will be used to compose the BOQ description
wCi_BOQ_DescriptionPrefix		x	text	type		x	x	x	Text that precedes the description in the BOQ. Example: Supply and execution of...
wCi_BOQ_DescriptionSuffix		x	text	type		x	x	x	Text that follows the description in the BOQ. Example: Including accessories... in accordance with CE...
wCi_BOQ_Chapter	x	x	text	type		x	x	x	Chapter name
wCi_BOQ_SubChapter		x	text	type		x	x	x	Subchapter name
wCi_BOQ_SubSubChapter		x	text	type		x	x	x	Sub-subchapter name
wCi_BOQ_ChapterHeader		x	text	type		x	x	x	General information to be included at the beginning of the chapter
wCi_BOQ_MeasurementUnit	x	x	text	type		x	x	x	Unit of measurement (m, m ² , m ³ , unit, vg, ...)
wCi_BOQ_UnitPrice	x	x	currency	type		x	x	x	Unit price of the element
wCi_BOQ_CreatedInRevision		x	text	type			x		In which revision the object was created; by default 00. If created in a later revision, e.g. 01, it will appear at the end of the element list of the chapter
wCi_BOQ_ModifiedInRevision		x	yes/no	type			x		Check to signal it was modified in current revision
wCi_BOQ_Quantity	x	x	distance	instance			x		This parameter will only appear in the element, in the SPECS (Automatically filled)
wCi_BOQ_Included	x	x	yes/no	type	Project Information		x		Field to be checked so that the element is measured
wCi_BOQ_PresentOnLinks	x	x	yes/no	instance			x		Indicates whether it exists in the modeling files (Automatically filled)
wCi_BOQ_MeasurementDate	x	x	text	instance			x		Date of execution of the object measurement (Automatically filled)
wCi_Phase	x	x	text	instance			x		Project phase (PE, LI, EP, ...)
wCi_BOQ_EmissionDate	x	x	text	instance			x		BOQ issue date
wCi_BOQ_RevisionNr	x	x	integer	instance			x		Project revision number
wCi_BOQ_RevisionDate	x	x	text	instance			x		Project revision date

Specific to loadable families in m/m2/m3

wCi_Length	x	x	length	instance			x	x	Used to measure in meters – loaded families
wCi_Area	x	x	area	instance			x	x	Used to measure in area – loaded families
wCi_Volume	x	x	volume	instance			x	x	Used to measure in volume – loaded families

Specific to Stairs

(if mandatory parameters are not set, it will not be measured)

wCi_RiserCode	x	x	text	type	Run	x			These parameters must be created and filled in the modeling files. In the Specs there must be dummy floors to represent the finishes, with all the information necessary for extracting the BOQ
wCi_TreadCode	x	x	text	type	Run	x			
wCi_RunCode	x	x	text	type	Run	x			
wCi_RunBelowSideCode	x	x	text	type	Run	x			
wCi_LandingCode	x	x	text	type	Landing	x			
wCi_LandingBelowCode	x	x	text	type	Landing	x			

Specific to coatings, by object measurement (paints, vinyls, plasters, meshes, ...)

(if mandatory parameters are not set, it will not be measured)

wCi_Coating_1	x	x	text	instance	Coatings to measure. Ex:	x			These parameters must be created and filled in the modeling files. In the Specs there must be dummy floors to represent the finishes, with all the information necessary for extracting the BOQ
wCi_Coating_2		x	text	instance	Floors, Walls, Ceilings, Roofs,	x			
wCi_Coating_3		x	text	instance	Generics, Stairs	x			

Specific to coatings, by material measurement (paints, vinyls, plasters, meshes, ...)

Material: Name									Name the material with the material code. Examples: m.01, v.01 Filled in the modeling files. In the Specs there must be dummy floors to represent the finishes, with all the information necessary for extracting the BOQ
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In order for SMARTERBIM Count to work, all the parameters on the present document, must be created no matter if they are being used or not



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