



Import from Tekla Structures to Autodesk® Revit®Add-In

What's New

Overview

This document lists the version releases of Tekla's 'Import from Tekla Structures to Revit Add-In' and the changes contained in those releases.

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Note: It is recommended that any older versions of these Add-ins are manually removed before installing a new version as follows:

1. Select the start button and then select control panel and under the programs header, select uninstall a program.
2. In the programs and features dialog, now visible, click the previous version of the Add-in and select uninstall.
3. Once the un-install has completed proceed to install the new Add-in version as normal.

Version 2019.4.4, 2018.4.4 and 2017.6.4 created on the 12th December 2018

This version is contained within the following installation packages:

- ImportFromTeklaToRevit_2017.6.4_x64.msi
- ImportFromTeklaToRevit_2018.4.4_x64.msi
- ImportFromTeklaToRevit_2019.4.4_x64.msi

It contains the following changes:

Item Number	Details
TTSD-21041	Bug fix, ensure voids are correctly updated when importing a revised model and automatically handle "wall overlapping" messages.



Version 2019.3.4, 2018.3.4 and 2017.5.4 created on the 24th October 2018

This version is contained within the following installation packages:

- ImportFromTeklaToRevit_2017.5.4_x64.msi
- ImportFromTeklaToRevit_2018.3.4_x64.msi
- ImportFromTeklaToRevit_2019.3.4_x64.msi

It contains the following changes:

Item Number	Details
TTSD-19967	Bug fix, ensure that imported system family walls have the correct width.
TTSD-20060	Bug fix, ensure that imported beam voids and wall line cuts are correctly positioned.
TTSD-20269	Add the parent instance IFC GUID to the associated void cut instance.

Version 2019.2.4, 2018.2.4 and 2017.4.4 created on the 20th September 2018

This version is contained within the following installation packages:

- ImportFromTeklaToRevit_2017.4.4_x64.msi
- ImportFromTeklaToRevit_2018.2.4_x64.msi
- ImportFromTeklaToRevit_2019.2.4_x64.msi

It contains the following changes:

Item Number	Details
TTSD-18542	Automatically handle Revit "cannot cut instance" messages during the import process.
TTSD-18587	Bug fix, level information was not being imported for some tcZip files.
TTSD-17082	Add additional information to the export log on BREP import failures.
TTSD-12310	Fix to allow the import of tcZip files with special characters (for example, a tilde) in the filename (for 2017.4.4 and 2018.2.4 only).

Version 2019.1.4 created on the 3rd July 2018

This version is contained within the following installation package:

- ImportFromTeklaToRevit_2019.1.4_x64.msi

It contains the following changes:

Item Number	Details
TTSD-16961	Revit 2019 Add-in installer.



TTSD-11521	Add support for Revit language type English_GB.
TTSD-12310	Fix to allow the import of tcZip files with special characters (for example, a tilde) in the filename.

Version 2018.1.4, 2017.3.4 and 2016.4.3 created on the 17th July 2017

This version is contained within the following installation packages:

- ImportFromTeklaToRevit_2016.4.3_x64.msi
- ImportFromTeklaToRevit_2017.3.4_x64.msi
- ImportFromTeklaToRevit_2018.1.4_x64.msi

It contains the following changes:

Item Number	Details
125295	Additional information, add-in version, OS, memory and Revit version, added to the run log.
TTSD-5514	Revit 2018 version of the add-in created.
TTSD-3553	Import BREP based families, rather than Trimble SketchUp based families, when using Revit 2017.1 or greater. This enhancement significantly reduces the time taken to export a tcZip file from Tekla Structures. Some modest Revit import performance improvements have also been observed (dependent on the model content).
TTSD-6369	Add a hyperlink, from the add-in user interface, to a user feedback page.
TTSD-4207	Improved materials mapping. If the material is undefined the add-in will attempt to find a Revit material that matches the imported grade.

Version 2017.2.3 created on the 19th December 2016

This version is contained within the following installation package:

- ImportFromTeklaToRevit_2017.2.3_x64.exe

It contains the following changes:

Item Number	Details
101600	Install the Trimble certificate, during add-in installation, to stop the 'security - unsigned add-in' warning messagebox appearing..

Version 2017.1.3, 2016.3.3 and 2015.7.3 created on the 15th September 2016

This version is contained within the following installation packages:

- ImportFromTeklaToRevit_2015.7.3_x64.msi
- ImportFromTeklaToRevit_2016.3.3_x64.msi
- ImportFromTeklaToRevit_2017.1.3_x64.msi

It contains the following changes:

Item Number	Details
126416	Project parameters, in an existing Revit project, are no longer removed when a model is imported.
125879	Improvements to the handling of levels creation, to avoid potential import failures.
125864	Improvements to the handling of material creation, timber sections now imported.
125590	Import to Revit 2017 add-in created.
126254	Only .tcZip file extensions may be imported by the add-in.

Version 2016.2.3, 2015.6.3, 2014.11.3 created on the 12th April 2016

This version is contained within the following installation packages:

- ImportFromTeklaToRevit_2014.11.3_x64.msi
- ImportFromTeklaToRevit_2015.6.3_x64.msi
- ImportFromTeklaToRevit_2016.2.3_x64.msi

It contains the following changes:

Item Number	Details
119726	Prevents a run time crash when the Revit Add-In is used by more than one user on the same machine or has been installed on a virtual machine, by an administrator, and is being used by other users. Note: for the situation described and upon first use, only, the user may notice the following error in the log file, which can be ignored: Error: Failed to get or create the shared parameters file.. Could not find a part of the path ...

Version 2016.1.3, 2015.5.3, 2014.10.3 created on 9th September 2015

This version is contained within the following installation packages:

- ImportFromTeklaToRevit_2014.10.3_x64.msi
- ImportFromTeklaToRevit_2015.5.3_x64.msi
- ImportFromTeklaToRevit_2016.1.3_x64.msi

It contains the following changes:

Item Number	Details
112370	Included checks to ensure that the target of the tcZip file is Revit (not Tekla Structures or PDMS) and that the file has not been manually modified.
112485	Remove unused part attribute properties, when re-importing a model.
112778	Ensure that UDA properties are updated, for re-imported members, when the UDA field is passed

	with no value.
112833	Create a Revit 2016 compatible version of the Import to Revit Add-In.
113338	Bug fix to stop an Revit exception being thrown when hatching is set for parts with material type masonry.
113339	Trap and report any voids, exported from Tekla Structures, that have zero extrusion length.
114086	Correct a model re-import error that was resulting in the placement of BREP based in place families rather than creating arbitrary profile line based families.
114505	Bug fix to ensure walls, rotated with swapped profile dimension, are imported correctly into Revit.
114720	A control has been added, to the Import to Revit UI, to allow the user to set the minimum offset tolerance before any Revit "off axis" warning messages are issued. The warning message has also been enhanced to inform the user of the member GUID and the actual displacement calculated.
115705	The importer will now filter any illegal level name characters, passed from the Tekla Structures exporter application.
115998	The importer will fail to run and a warning message will be displayed if the user attempts to run the Import from Tekla Structures Add-in from a read only (viewer mode) version of Revit.
116040	Add the Import from Tekla Structures Add-in button to a Tekla Integration tab in Revit. This tab is also used by the Tekla Integrator application, consolidating the location of the Tekla applications in Revit.

Version 2015.4.3, 2014.9.3, 2013.13.3 created on 17th December 2014

This version is contained within the following installation packages:

- ImportFromTeklaToRevit_2013.13.3_x64.msi
- ImportFromTeklaToRevit_2014.9.3_x64.msi
- ImportFromTeklaToRevit_2015.4.3_x64.msi

It contains the following changes:

Item Number	Details
107338	Prevent beams from auto joining in the Revit model under certain situations. Note: This fix is only supported by the Revit 2015 version of the Add-In as it requires the use of a new Revit 2015 API method.
107355	Improvements to the voids generated, in the Revit model, from the imported cut planes.
106131	Correct the behaviour when re-importing a model with changed members. Some members with matching unique identifiers were being incorrectly duplicated rather than modified.

Version 2015.3.3, 2014.8.3, 2013.12.3 created on 24th September 2014

This version is contained within the following installation packages:

- ImportFromTeklaToRevit_2013.12.3_x64.msi
- ImportFromTeklaToRevit_2014.8.3_x64.msi
- ImportFromTeklaToRevit_2015.3.3_x64.msi

It contains the following changes:

Item Number	Details
105750	Creating levels (in Revit), via the API, with duplicate names causes Revit to throw an exception. Duplicate level names with different elevation values are now appended with an index to create unique names.
105956	Included a 'Stop Import' button on the import UI to allow the user to abort at any time during the import process.
106013	Re-import of a model that contains floor elements with voids will fail. The Revit API method to return the original element geometry (prior to void placement) does not work for system families. The voids need to be removed prior to analysing the existing floor.
106130	Correct the placement of arbitrary defined beam members.
106131	When a model is re-imported, the import utility attempts to move or modify existing members. In certain circumstances this would cause Revit to error and a dwg / skp based member would be imported. The importer will now un-join these elements allowing them to be correctly repositioned.

Version 2015.2.3, 2014.7.3, 2013.11.3 created on 24th July 2014

This version is contained within the following installation packages:

- ImportFromTeklaToRevit_2013.11.3_x64.msi
- ImportFromTeklaToRevit_2014.7.3_x64.msi
- ImportFromTeklaToRevit_2015.2.3_x64.msi

It contains the following changes:

Item Number	Details
104082	A strip footing rotation error (error dependant on the extrusion direction of the footing and the rotation applied during export from Tekla Structures) was found and corrected.
104081	After several model imports (with particular models), a number of families were incorrectly reused. The problem was due to case sensitivity in the family reuse algorithms (Revit family names are not case sensitive).