Door Factory Premium – Feature List

Feature list for the RevitWorks Door Factory Premium (and Premium Preview) add-in

The Door Factory Premium is a Revit add-in which creates doors and comes with a selection of panels, handles, trims and other components. It also allows users to add their own panels, handles and trims to create limitless combinations.

Door Actions included (44 different door actions):

	Premium Version	Free Preview Version
Single Swing	✓	✓
Single Swing 2 way	✓	✓
Double Swing	✓	✓
Double Swing 2 way	✓	✓
Single Pivot	✓	-
Double Pivot	✓	-
Surface Sliders - 5 different leaf combinations including multi-slider	✓	-
Contained Sliders - 5 different leaf combinations including multi-panel and reverse (wardrobe) sliders	✓	-
Pocket (cavity) Sliders - 5 different leaf combinations including multi-slider	✓	-
Bi-Folds - 14 different leaf combinations including multi-panel	✓	-
Garage doors	✓	-
Stacking (operable) doors	✓	-
Hatch and Double Hatch (with jambs to all 4 sides)	✓	-
Inter-connecting door (i.e. used for interconnecting hotel rooms)	✓	-

Usability Features (general use):

	Premium Version	Free Preview Version
Metric and Imperial versions	✓	✓
Create Standard Doors & Curtain Panel Doors	✓	✓
Open Doors in 3d (Hinge, Pivot and sliding doors)	✓	✓
Add accessibility clearance diagrams to relevant doors	✓	✓
Add your own panels, handles and trim profiles; giving you unlimited combinations.	✓	✓

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Usability Features (general use):

	Premium Version	Free Preview Version
Elevation Swing indicators points to hinge or to handle to suit international graphic standards.	✓	✓
All Doors have built in Wall Alignment parameters that allow you to position the door within the wall. Align the Jamb (and or Panel where relevant) to the centre of the wall, exterior face or interior face. You can also create + or – offsets from these alignments.	✓	✓
Consistent and logical naming of all parameters in all doors created: Instance, Type & Family Wide parameters are formatted logically and hierarchically so they are easy to use on a day to day basis.	✓	✓
Appropriate use of schedulable shared parameters (including Clear Opening Width where Single and Double swing doors calculate their clear opening width)	✓	✓
Appropriate level of detail allowing for fast manipulation of doors and manageable parameter lists.	✓	✓
Appropriate use of sub-categories, allowing for different line-types and colors for elevation and plan swings	✓	✓
Curtain Panel Doors "look & feel" the same as Standard Doors	✓	✓
Curtain Panel Doors report the correct parameters required for scheduling with Standard Doors.	✓	✓
Plans swing can be shown as curved (arc) or straight.	✓	✓
Adjustable swing angles	✓	✓
Different swing angles for double door secondary panels	✓	✓
2 way swing doors can be shown with opposing swings	✓	✓
Single and double swing hinge doors can have symbolic offset hinges (represented in the symbolic plan swing).	✓	✓
Adjustable open % for sliding doors symbolic plan	✓	*n/a*
Plan arrow offsets for sliding doors symbolic plans to avoid conflict with adjacent modelled components or linework.	✓	*n/a*
Symbolic plan pivot offsets to pivot doors so the door pivot is readable at typical plan scales Hover over pivot doors to see the real swing extent.	✓	*n/a*
Adjustable fold angles for Bi-fold doors symbolic plan	✓	*n/a*
Symbolic plan layback to Bi-fold doors with two panel leaf combination to one side	✓	*n/a*
Door orientation conforms to IFC standards and "IFC Operation" "IFC Type" parameters pre-populated	✓	✓
Summary guide within the Door Factory lists all choices made to help you specify a relevant Family and Type name	✓	✓
Create families with multiple types.	✓	✓

Jambs:

	Premium Version	Free Preview Version

Create doors with the following Jamb profiles (depending on the door action):
 	
    Rebated
 	
    Stop
 	
    Flat
 	
    Hidden (behind the door panel)
 	
    No Jamb
	✓	✓

Create Jambs that adjoin the wall (typically used for wooden jambs) or that wrap the wall (typically used for metal profiled jambs).	✓	✓
Specify the head jamb width separately from the side jamb width if required	✓	✓
Preset Jamb Width or set to Match Wall Width.	✓	✓
Jamb offsets from wall alignments included (positive and negative values allowed).	✓	✓

Panels:

	Premium Version	Free Preview Version
Choose a door panel from the Panel Library Panels include: Glass, Glass framed, Glass framed with transom, Glass with patches, Glass with rails, Glass with side patches, Solid, Solid horizontal panels x3, Solid horizontal panels x4, Solid panelled x4, Solid with kickplate, Vision panel, Vision panel round, Vision panel with kickplate.	✓	✓
Bonus content included: 20 additional designer panels curtesy of Parkwood Doors Ltd	✓	✓
Create your own panels and add them to the panel library.	✓	✓
Specify panel specific parameters such as thickness, rail widths, vision panel set-outs etc.	✓	✓
Specify panel materials including different finish materials on either side (if applicable). Materials added to the panel components get linked through to the final door family.	✓	✓
Prepopulate specification items within the panel families to allow for auto-specifications within the doors created	✓	✓

Trims:

	Premium Version	Free Preview Version
Flat, Splayed and "No Trim" selections available	✓	✓
Custom trim profile selections available (7 profiles included)	✓	-
Create your own custom trim profiles and add them to the trim library.	✓	-

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Trims:

	Premium Version	Free Preview Version
Instance parameters to show & hide trims on internal and external sides	✓	✓
Specify different trims to internal and external sides.	✓	✓
Specify different finishes for internal and external trims separately	✓	✓
Trims can be offset from the base of the door, allowing for floor finishes to continue under them.	✓	✓

Handles:

	Premium Version	Free Preview Version
Choose both interior and exterior handles from the Handle Library (not available for garage doors or some Bifold selections): Handles included: Digital lock, flush pull round edge, Flush pull square edge, Lever round, Lever square, Rectangular bar 1000mm long, Round bar 1000mm long, Round "D" 500mm long, Slider pull external, Slider pull internal, Round Knob (and imperial equivalents).	✓	✓
Create your own handles and add them to the handle library.	✓	✓
Can specify different handles on either side at different heights and offsets from the leaf edge.	✓	✓
Can specify different handles between primary and secondary panels	✓	✓
Instance parameters to show & hide handles.	✓	✓
Prepopulate specification items within the handle families to allow for auto-specifications within the doors created	✓	✓

User Components:

	Premium Version	Free Preview Version
Add up to 2 User Components that flex with the Panel height, Rough Opening size, wall faces, panel faces & jamb faces. User components include: timber sills, sliding door pelmets, over panels, decorative mouldings, garage door sectional details.	✓	-
Add user components to Standard doors & Curtain panel doors.	✓	-
Create your own user components and add them to the User Component library.	✓	-
Materials added to the user components get linked through to the final door family.	✓	-

Management Tools:

	Premium Version	Free Preview Version
Create sub-directories within the Panel, Handle and User component directories and they will show in the relevant tabs to allow for easier navigation and order during component selection	✓	✓

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Management Tools:

	Premium Version	Free Preview Version
Move all panel, handle, trim and component libraries to a networked location to allow for consistency between users	✓	✓
Edit default values to allow for pre-population of all parameter inputs	✓	✓
The Door Factory shared parameter names can be mapped to your own to comply with any shared parameter standard you choose.	✓	✓
Setup rules for default names based on selections. This default pre-populates the name of the door in the Name tab.	✓	✓
All settings kept within simple .txt files allowing you to copy them between users	✓	✓
Release License button allows the license to be moved to another PC.	✓	*n/a*

What some of our customers have to say:

"The RevitWorks Door Factory has become an essential add-in for our Revit users. Almost every project we do has a few doors that aren't standard, so it's not a case of building the doors once and keeping them in a library or template, we need the ability to build and adjust new door families quickly. The RevitWorks team have thought through what door family parameters have real world relevance (jamb frame type, leaf thickness, tolerances, architraves, handle position etc.) and the end result is an easy to use add-in that produces fully functioning and accurate parametric door families. We wouldn't be without it."

Thomas Sheridan - BIM Manager, Tennent Brown Architects

"The RevitWorks Door Factory is a must have add-in for us. It allows us to create doors exactly like they would be in real life, instead of relying on sub-standard door families from other libraries or content websites. The Door Factory is easy to use and the door families can be customised to create one-off special doors when required."

Greg Burr - BIM Manager, Designgroup Stapleton Elliott

"We have been able to save countless hours in door creation through the use of Door Factory Pro: the ability to create quick, one-off configurations that are easily manipulated to specific instances or an entire line of project specific doors has been a life saver. Larger office buildings require many different doors and door styles; Door Factory Pro simplifies this process enormously."

Kedric Leach - Leach Industries

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"The RevitWorks Door Factory has been our best Revit add-in purchased since our adoption of the Revit system in 2009. The Door Factory has been stable, easy to use and incredibly powerful. We could not imagine creating Revit doors without it."

Stuart Ashdown - Senior Architectural Technician, Space Architecture Studio

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