Selection Tools - User Manual

Introduction

Selection Tools is a plugin for Rhino 3D, designed to provide additional selection tools.

Plugin installation

Overview

The plugin installer can be downloaded at: https://www.tomkod.com/product/selection-tools/ A free trial is included, and yearly licenses can be purchased on the aforementioned page. *Selection Tools* works for Rhino 6¹⁾ and Rhino7²⁾.

Yak

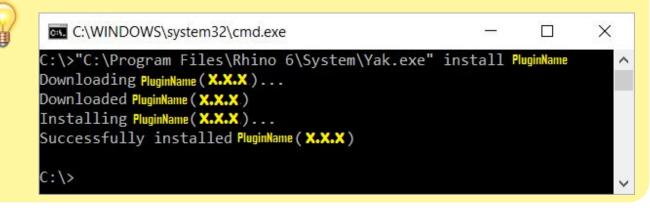
Our plugins are also compatible with <u>Yak</u>, Rhino's new package manager³⁾, which is basically an application store for Rhino. You just need to call Rhino's command **PackageManager**:

tomkod				
0	AttributeAnalysis v2:0.4-beta AttributeAnalysis is a tool designed to give you a fast Analysis of your rh	Name: AttributeAnalysis Downloads: 3 Author: Matthieu Arnold (TomKod) Installed:		
0	DrawUserTexts v1.0.5-rc This plugin for Rhino6 brings several life changing tools for your 2D drawi	Version: 2.0.4-beta ~ Date published: lundi 14 décembre 2020 Url: https://www.tomkod.com/ product/attribute-analysis/		
	LightweightSurvey v1.0.3-beta This plugin for Rhino allows your technicians to conduct a vessel s full su	Description: AttributeAnalysis is a tool designed to give you a fast Analysis of your rhino model attributes. Select an attribute: all your objects will be colorized automatically and a color key table will be displayed. You will also be able to select objects by attributes.		
0	MarineWeightSchedule v1.1.0 The Marine Weight Schedule plugin for Rhino6 can generate a bill of masses			
•	RhinoBeamTools v1.1.2 Rhino Beam Tools is a rhino plugin built as a bridge between Rhino and spec	Install		

You can also install from the repository with the following command line:

"D:\Program Files\Rhino 6\System\Yak.exe" install 'PluginName'

If you add this in a batch file (*.bat) at windows startup, it is probably the best way to keep all your plugins up-to-date 😉



License activation

Prerequisites

The free evaluation can be used once per computer, and requires network access to www.license.tomkod.com

The license activation requires network access to www.tomkod.com Please check your firewall in case of failure.

Activation form

The activation window automatically shows up when the plugin is loading and a valid license or trial is not registered. If you want to see, change or remove your license while the plugin is already loaded, you can use the Rhino commands **PluginName License**.

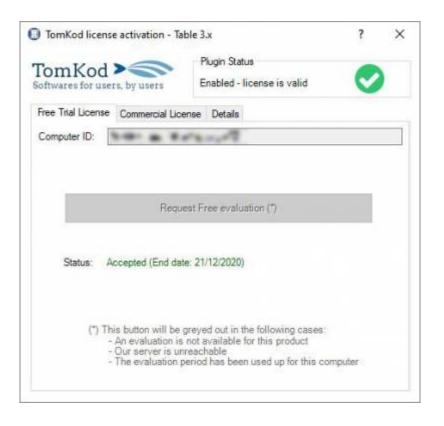
Activation status is always visible on the upper right corner of the form, if the icon is green your plugin will be enabled:



Trial Tab

This first tab is dedicated to the trial requests. Your trial status is displayed, and the button is disabled if a trial is not available for your computer (Your trial has already been activated, or the server is

unreachable)



Commercial Tab

This tab's two main buttons let you Check-out (Activate) or Check-in (Desactivate) your license from our license server.

		Plugin Status		
omKod		Enabled - license is valid		
Free Trial License	Commercial License	Details		
Email		.com		
Product key				Ī
2 Enable floa	ling licenses (Affec	ts every TomKod plugins)		
Use a license cer				
Altern This can av	ative method for off oid network activat	line activation, using a certific ion issues, but the license wor	ate file. It be floating.	
	and the second se			_

When the checkbox "Enable floating licenses" is checked, every TomKod's plugin will try to deactivate the license automatically when closing (Making it available for another of your computers)

Finally, a license certificate (*.TkLic) can be selected at the bottom of this tab. It allows to activate a

license offline, but the license won't be floating anymore. If you need one, contact us at https://www.tomkod.com/contact/

Toolbar

The toolbars for Rhino are always included in your plugins installation directory, or can be downloaded here.

You just have to drag/drop the file "Tomkod.rui" to a rhino window to install them.

Features and commands

SelectionTools_About

This command can be used only from the command line prompt. It displays the plugin's current revision and license status.

About			×
SelectionTools - v1.0.5.0			^
Commercial Name: Selection Tools 1.x			
Update Status: Selection Tools 1.x: Your current version (1.0.5.0) is an e	arly release candid	late. Latest stable v	ersion: 1.0.3
Editor: TomKod			
Copyright: Copyright @Ship-ST 2020			
License status:			
Selection Tools 1.x is a ReleaseCandidate. Activation is not required un	til the status is cha	nged to commercia	al
Computer ID: TomKodDevComputerUniqueID		19 4 (2005) (1947) (1947) (1947) (1947)	
CHANGELOG:			
>			
v1.0.5 (Ongoing)			
¢			
7 available commands:			
SelectBvType			
SelectByVolume			
SelectDuplicatedSolids			
SelectionTools_About			
SelectionTools_License			
SelectOneObjByName			
SelectByBorderDetection			~
	Copy All	Save As	Close
			575554

SelectionTools_License

This command can be used only from the command line prompt. It displays the plugin's activation form.

See license_activation.

SelectByName

Almost the same command as _SelName, except that instead of choosing the name in a list you pick

an object in the model. Every object with the same name will be selected.

Walkthrough



SelectByType

Pick an object type in a list to select every object of this type. The list only contains the object types existing in the model.

Walkthrough



SelectByVolume

Select extrusions or closed polysurfaces with the same volume, which is useful to find symmetrical parts or duplicates.

Walkthrough



Options

Tolerance Optional tolerance

SelectDuplicatedSolids

Select every duplicated closed polysurfaces based on their volumes and areas.



Symmetrical parts will obviously be considered identical, having both the same areas and volumes.

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Walkthrough



Options

MinimumNumber	A minimum number can be set. For exemple if set to 3, the selection will ignore duplicated items when there are only two of them.
Tolerance	Optional tolerance

SelectOneObjByName

Select only one object per existing name in the whole model. Useful when readying the model before detail drawings.

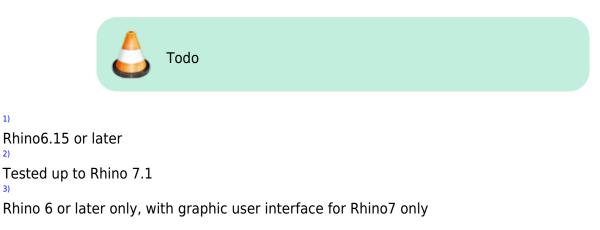
Walkthrough



SelectByBorderDetection

Select only one object per existing name in the whole model. Useful when readying the model before detail drawings.

Walkthrough



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