

# **3DM Import for Pro/ENGINEER Help**

## Table Of Contents

3DM Import for Pro/ENGINEER Help.....	1
Introduction .....	2
License Agreement .....	3
ReadMe .....	10
Contact.....	12
Command Reference .....	13
Import .....	14
Help.....	15
Register.....	16
About.....	18
Tutorial .....	19

# 3DM Import for Pro/ENGINEER Help

---

Welcome to *3DM Import for Pro/ENGINEER* Help!

This help file provides all the information you need to understand and use *3DM Import for Pro/ENGINEER*. Click the links below or use the Contents tab on the left to browse help topics. You can also scroll the topics on the above right hand pane.

The *3DM Import for Pro/ENGINEER* help file is divided into the following sections:

- [Introduction](#) - Introduction to *3DM Import for Pro/ENGINEER*.
- [Command Reference](#) - Quick reference of all the commands added by *3DM Import for Pro/ENGINEER*.
- [Tutorial](#) - Tutorial to get you started in the shortest possible time.

If you need any additional information please [contact](#) SYCODE.

**Note:**

- If you have trouble loading the *3DM Import for Pro/ENGINEER* plug-in file into the Pro/ENGINEER Wildfire environment, please refer to the [ReadMe](#) file.
- Please read the [License Agreement](#) before using the software.

# Introduction

---

*3DM Import for Pro/ENGINEER* is a Rhinoceros 3DM file import plug-in for Pro/ENGINEER Wildfire. This plug-in gives Pro/ENGINEER Wildfire the ability to import geometric data from 3DM files.

*3DM Import for Pro/ENGINEER* reads polygon mesh stored in 3DM files and imports it into Pro/ENGINEER Wildfire. A polygon mesh in a 3DM file is comprised of a set of triangular/quad faces. *3DM Import for Pro/ENGINEER* creates trimmed planar surfaces for each triangle/quad and knits them together to create a body. If the polygon mesh is closed (i.e. it does not contain boundary edges) then *3DM Import for Pro/ENGINEER* will create a closed body feature, otherwise an open surface will be created.

*3DM Import for Pro/ENGINEER* is very easy to use. Once installed, it automatically loads itself into Pro/ENGINEER Wildfire and adds a new submenu called "3DMImport" to the Pro/ENGINEER Wildfire menu.

*3DM Import for Pro/ENGINEER* comes with detailed documentation as well as a [tutorial](#) to get you started in the shortest possible time.

If you need any additional information please [contact](#) SYCODE.

## **The 3DM File Format**

The 3DM (3D Model) file format is the native file format of Rhinoceros, the NURBS modeling software from Robert McNeel & Associates. The OpenNURBS Initiative was founded by Robert McNeel & Associates in January 2000, with the sole purpose of providing CAD, CAM, CAE and computer graphics software users reliable methods for transferring 3D geometry between applications via the 3DM file format. [TerrainCAD](#), our terrain generation, editing and modeling software, also uses the 3DM file format as its native file format.

## License Agreement

---

### **SYCODE END USER LICENSE AGREEMENT**

READ CAREFULLY: SYCODE LICENSES THIS SOFTWARE TO YOU ONLY UPON THE CONDITION THAT YOU ACCEPT ALL OF THE TERMS CONTAINED IN THIS SOFTWARE LICENSE AGREEMENT.

BY SELECTING THE "I ACCEPT" BUTTON AT THE END OF THIS AGREEMENT OR BY COPYING, INSTALLING, UPLOADING, ACCESSING OR USING ALL OR ANY PORTION OF THE SOFTWARE YOU AGREE TO ENTER INTO THIS AGREEMENT. A CONTRACT IS THEN FORMED BETWEEN SYCODE AND EITHER YOU PERSONALLY, IF YOU ACQUIRE THE SOFTWARE FOR YOURSELF, OR THE COMPANY OR OTHER LEGAL ENTITY FOR WHICH YOU ARE ACQUIRING THE SOFTWARE.

IF YOU DO NOT AGREE OR DO NOT WISH TO BIND YOURSELF OR THE ENTITY YOU REPRESENT: (A) DO NOT COPY, INSTALL, DOWNLOAD, ACCESS OR USE THE SOFTWARE; (B) SELECT "I REJECT" AT THE END OF THIS AGREEMENT (WHICH WILL CANCEL THE LOADING OF THE SOFTWARE); AND (C) WITHIN THIRTY (30) DAYS FROM THE DATE OF ACQUISITION, RETURN THE SOFTWARE TO THE LOCATION WHERE YOU ACQUIRED IT FOR A REFUND.

COPYING OR USE OF THIS SOFTWARE OR ANY ACCOMPANYING DOCUMENTATION EXCEPT AS PERMITTED BY THIS AGREEMENT IS UNAUTHORIZED AND CONSTITUTES A MATERIAL BREACH OF THIS AGREEMENT AND AN INFRINGEMENT OF THE COPYRIGHT AND OTHER INTELLECTUAL PROPERTY RIGHTS IN SUCH SOFTWARE AND DOCUMENTATION. IF YOU COPY OR USE ALL OR ANY PORTION OF THIS SOFTWARE OR ITS USER DOCUMENTATION WITHOUT ENTERING INTO THIS AGREEMENT OR OTHERWISE OBTAINING WRITTEN PERMISSION OF SYCODE, YOU ARE VIOLATING COPYRIGHT AND OTHER INTELLECTUAL PROPERTY LAW. YOU MAY BE LIABLE TO SYCODE AND ITS LICENSORS FOR DAMAGES, AND YOU MAY BE SUBJECT TO CRIMINAL PENALTIES.

#### 1. DEFINITIONS

1.1 "Access" means to use or benefit from using the functionality of the Software.

1.2 "Computer" means a single electronic device with one or more central processing units (CPUs) that accepts information in digital or similar form and manipulates the information for a specific result based on a sequence of instructions.

1.3 "Install" means to place a copy of Software onto a hard disk or other storage medium through any means (including, but not limited to, use of an installation utility application accompanying the Software).

1.4 "License Parameters" means the definition and limitation of the applicable license scope in Section 2.2 hereof.

1.5 "Permitted Number" means a number relevant for the applicable License Parameters that SYCODE may specify in the applicable User Documentation. The Permitted Number is one (1) unless otherwise provided by SYCODE in writing.

1.6 "Software" means the computer program in which this Agreement is embedded or that is delivered prepackaged with this Agreement.

1.7 "User Documentation" means the explanatory printed or electronic materials that SYCODE or its authorized distributor incorporates in or delivers in or on a package with the Software or sends to You on an invoice, via email, facsimile or otherwise after You acquire or Install the Software, including, but not limited to, license specifications, activation key, license files, instructions on how to use the Software, and/or technical specifications.

1.8 "You" means you personally (i.e., the individual who reads and is prompted to accept this Agreement) if you acquire the Software for yourself or the company or other legal entity for whom you acquire the Software.

## 2. SOFTWARE LICENSE

2.1 License Grant. SYCODE grants You a non-sublicensable, non-exclusive, non-transferable, limited license to use copies of the Software in the jurisdiction in which you acquire the Software, in accordance with the applicable User Documentation, within the scope of the License Parameters. SYCODE's license grant is conditioned on Your continuous compliance with all license limitations and restrictions described in this Agreement. If You violate any of these limitations or restrictions, the license grant will automatically and immediately expire. The license descriptions in this Section 2 define the scope of rights that SYCODE grants to You. Any usage of the Software outside the scope of the applicable license grant constitutes an infringement of SYCODE's intellectual property rights as well as a material breach of this Agreement.

2.2 License Parameters. SYCODE's license grant is subject to one or more of the License Parameters defined in this Section 2.2 as specified in the User Documentation. Unless SYCODE expressly specifies or agrees otherwise in the User Documentation, all Software shall be governed solely by a license for Standalone (Individual) Versions (see Section 2.2.1).

2.2.1 Standalone (Individual) Version. If SYCODE identifies the Software as a "Standalone Version" or as an "Individual Version" or if the User Documentation does not identify the Software by any of the version designations set forth in Sections 2.2.2 through 2.2.6, You may Install and Access one (1) copy of the Software on one (1) individual Computer, which may not be connected to a network in a manner that allows more than one (1) user to access, upload, operate, view or otherwise create or use a copy of the Software. You may not install or access the Software other than on one (1) computer at a time.

2.2.2 Network Version. If SYCODE identifies the Software as a "Network Version" in the applicable User Documentation, You may Install, Access and use one (1) copy of the Software on Your Computer file server, for Your own internal business needs, with the SYCODE License Manager tool. The Software may be Installed on or Accessed by other Computers, or on an individual Computer, as a multiple-user installation, so long as the

maximum number of concurrent users does not to exceed the Permitted Number.

2.2.3 Educational Institutional Version. If SYCODE identifies the Software as an "Educational Institutional Version" in the applicable User Documentation, You may Install and Access a single copy of the Software on up to the Permitted Number of Computers, only for educational purposes (as further specified in the applicable User Documentation) and for no other purpose. Without limiting the foregoing, Educational Institutional Versions of the Software may not be used for commercial, professional, or for-profit purposes. Additionally, functional limitations apply, as set forth in Section 6.

2.2.4 Student Version. If SYCODE identifies the Software as a "Student Version" in the applicable User Documentation, You may Install and Access a single copy of the Software on up to the Permitted Number of Computers, only for personal learning purposes, and no other purpose. Unless otherwise provided by SYCODE in the User Documentation, Student Versions of the Software may be used for a period of one (1) year from the date of Installation. Without limiting the foregoing, Student Versions of the Software may not be used for commercial, professional or other for-profit purposes and may only be used by persons who qualify as a permitted user of Student Versions (as further specified in the applicable User Documentation for the jurisdiction in which the Software is acquired). Additionally, functional limitations apply, as set forth in Section 6.

2.2.5 Evaluation Version. If SYCODE identifies the Software as a demonstration, evaluation, trial, or not for resale version ("Evaluation Version") in the applicable User Documentation, You may Install and Access one copy of the Software only for the purpose of commercial evaluation and demonstration. Without limiting the foregoing, You may not use it for competitive analysis, or commercial, professional, or for-profit purposes. The Evaluation Version may only be Installed for a ten (10) day evaluation period, unless otherwise specified by SYCODE in writing. Additionally, functional limitations apply, as set forth in Section 6.

2.2.6 License Term. Subject to the terms and conditions of this Agreement, the license to use the Software is perpetual, unless the Software qualifies as an Evaluation Version, Student Version, or is designated as a fixed-term license, a limited duration license or a rental license. In such case, the term of the license shall be the term identified by SYCODE in the applicable User Documentation (the "Designated Term") or the term for which You have paid, whichever is less. If SYCODE identifies the Software as licensed for a fixed term, limited duration or rental and does not specify a term, then the Designated Term shall expire thirty (30) days after the date You first Install the Software. Use of this Software beyond the applicable license term, or any attempt to defeat the time-control disabling function in the Software is an unauthorized use and constitutes a material violation of this Agreement and intellectual property law.

2.3 Software Components. The Software is licensed to You as a single product and its components may not be separated for distribution or use on more than one (1) Computer unless expressly permitted by SYCODE in the applicable User Documentation.

### 3. PERMITTED AND PROHIBITED ACTIONS

#### 3.1 Permitted Actions

3.1.1 Backup Copy. Regardless of which version of the Software You have acquired, You may Install one archival (backup) copy of the Software. Such archival copy may not be

## 3DM Import for Pro/ENGINEER Help

Installed on another Computer, unless such other Computer is a partitioned drive of a server to which only the user of the active copy of the Software can Access. In any event, the archival copy may not be Accessed as long as another copy of the Software is Installed on any Computer. Except as expressly permitted under Section 2.2: (a) if the User Documentation is in printed form, it may not be copied; and (b) if the User Documentation is in electronic form, it may not be duplicated electronically.

3.1.2 Additional Installation. Except with regard to Educational Institutional, Student and Evaluation Versions only, You may Install and Access a second copy of the Software on the hard disk of a second Computer owned by You or under Your control provided that:

(i) the original and second copies are used only by the same person;

(ii) the second copy is Installed and Accessed only on either (a) with respect to Network Versions, a redundant server that makes the Software available for use only when Your primary server on which the active Software copy is Installed becomes inoperable, or (b) a notebook computer or other non-server computer away from Your usual work location for the purpose of enabling You to perform work while away from Your usual work location;

(iii) only one of the Software copies is Accessed at any one time; and

(iv) both copies of the Software are Installed and Accessed exclusively with the copy protection device (if any) supplied with the Software.

(v) You have an active Subscription for the Software.

3.2 Prohibited Actions. SYCODE does not permit any of the following actions and You acknowledge that such actions shall be prohibited:

3.2.1 Use. You may not Install, Access or otherwise copy or use the Software or User Documentation except as expressly authorized by this Agreement.

3.2.2 Reverse Engineering. You may not reverse engineer, decompile, or disassemble the Software.

3.2.3 Transfers. You may not distribute, rent, loan, lease, sell, sublicense, or otherwise transfer all or any portion of the Software or User Documentation, or any rights granted in this Agreement, to any other person without the prior written consent of SYCODE.

3.2.4 Hosting or Third Party Use. You may not Install or Access, or allow the Installation or Access of, the Software over the Internet, including, without limitation, use in connection with a Web hosting or similar service, or make the Software available to third parties via the Internet on Your computer system or otherwise.

3.2.5 Distribution. You may not distribute the Software to another party, without prior written permission from SYCODE. Distribution includes, but is not limited to, sending the Software by electronic mail, placing the Software on a web server or a similar on-line source, including the software on a CD or any other media or any other distribution mechanism.

3.2.6 Notices. You may not remove, alter, or obscure any proprietary notices, labels, or marks from the Software or User Documentation.

3.2.7 Modifications. You may not modify, translate, adapt, arrange, or create derivative works based on the Software or User Documentation for any purpose.

3.2.8 Circumvention. You may not utilize any equipment, device, software, or other means designed to circumvent or remove any form of copy protection used by SYCODE in connection with the Software, or use the Software together with any, activation code, serial number, or other copy protection device not supplied by SYCODE directly or through an authorized distributor.

3.2.9 Export. You may not export the Software or User Documentation in violation of this Agreement, Indian or other applicable export control laws.

#### 4. ALL RIGHTS RESERVED

Except as expressly provided otherwise in this Agreement, title, ownership and all rights and interest including, without limitation, copyrights, in and to the Software and User Documentation and any authorized copies made by You remain with SYCODE and its licensors. The structure, organization, and code of the Software are valuable trade secrets of SYCODE and its licensors and You shall keep such trade secrets confidential. The Software and User Documentation are licensed, not sold.

#### 5. DISCLAIMER

ANY STATEMENTS OR REPRESENTATIONS ABOUT THE SOFTWARE AND ITS FUNCTIONALITY IN THE USER DOCUMENTATION OR ANY COMMUNICATION WITH YOU CONSTITUTE TECHNICAL INFORMATION AND NOT AN EXPRESS WARRANTY OR GUARANTEE. IN ADDITION, SYCODE SPECIFICALLY DISCLAIMS ANY OTHER WARRANTY INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. WITHOUT LIMITING THE FOREGOING, SYCODE DOES NOT WARRANT THAT THE OPERATION OF THE SOFTWARE WILL BE UNINTERRUPTED OR ERROR FREE.

#### 6. WARNINGS

6.1 Functionality Limitations. COMPUTER AIDED DESIGN SOFTWARE AND OTHER TECHNICAL SOFTWARE ARE TOOLS INTENDED TO BE USED BY TRAINED PROFESSIONALS ONLY. THEY ARE NOT SUBSTITUTES FOR YOUR PROFESSIONAL JUDGMENT. COMPUTER AIDED DESIGN SOFTWARE AND OTHER TECHNICAL SOFTWARE ARE INTENDED TO ASSIST WITH PRODUCT DESIGN AND ARE NOT SUBSTITUTES FOR INDEPENDENT TESTING OF PRODUCT STRESS, SAFETY AND UTILITY. DUE TO THE LARGE VARIETY OF POTENTIAL APPLICATIONS FOR THE SOFTWARE, THE SOFTWARE HAS NOT BEEN TESTED IN ALL SITUATIONS UNDER WHICH IT MAY BE USED. SYCODE SHALL NOT BE LIABLE IN ANY MANNER WHATSOEVER FOR THE RESULTS OBTAINED THROUGH THE USE OF THE SOFTWARE. PERSONS USING THE SOFTWARE ARE RESPONSIBLE FOR THE SUPERVISION, MANAGEMENT AND CONTROL OF THE SOFTWARE. THIS RESPONSIBILITY INCLUDES, BUT IS NOT LIMITED TO, THE DETERMINATION OF APPROPRIATE USES FOR THE SOFTWARE AND THE SELECTION OF THE SOFTWARE AND OTHER PROGRAMS TO ACHIEVE INTENDED RESULTS. PERSONS USING THE SOFTWARE ARE ALSO RESPONSIBLE FOR ESTABLISHING THE ADEQUACY OF INDEPENDENT PROCEDURES FOR TESTING THE RELIABILITY AND ACCURACY OF ANY

PROGRAM OUTPUT, INCLUDING ALL ITEMS DESIGNED BY USING THE SOFTWARE.

## 6.2 Activation Key Required.

6.2.1 INSTALLATION, ACCESS, TRANSFERS AND CONTINUED USE OF THE SOFTWARE MAY REQUIRE AN ACTIVATION KEY. YOU MUST REGISTER YOUR ACQUISITION OF THE SOFTWARE WITH SYCODE BEFORE AN ACTIVATION KEY IS ISSUED TO YOU.

6.2.2 THE ACTIVATION SECURITY MECHANISMS MAY DISABLE THE SOFTWARE IF YOU TRY TO TRANSFER IT TO ANOTHER COMPUTER, IF YOU TAMPER WITH THE DATE SETTING MECHANISMS ON YOUR COMPUTER, IF YOU USE THE SOFTWARE PAST AN APPLICABLE EVALUATION PERIOD OR LIMITED TERM, OR IF YOU UNDERTAKE CERTAIN OTHER ACTIONS THAT MAY OFFSET THE SECURITY MODE. MORE INFORMATION IS CONTAINED IN THE APPLICABLE USER DOCUMENTATION OR AVAILABLE FROM SYCODE ON REQUEST.

## 7. LIMITATION OF LIABILITY

IN NO EVENT SHALL SYCODE OR ITS LICENSORS HAVE ANY LIABILITY FOR ANY INCIDENTAL, SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS, REVENUE, DATA, OR COST OF COVER. IN ADDITION, IN NO EVENT SHALL THE LIABILITY OF SYCODE OR ITS LICENSORS FOR ANY DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THIS AGREEMENT EXCEED THE AMOUNT PAID OR PAYABLE BY YOU FOR THE SOFTWARE PRINCIPALLY RESPONSIBLE FOR SUCH DAMAGES. THE LIMITATIONS OF LIABILITY IN THIS SECTION 7 SHALL APPLY TO ANY DAMAGES, HOWEVER CAUSED AND REGARDLESS OF THE THEORY OF LIABILITY, WHETHER DERIVED FROM CONTRACT, TORT (INCLUDING, BUT NOT LIMITED TO, NEGLIGENCE), OR OTHERWISE, EVEN IF SYCODE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES AND REGARDLESS OF WHETHER THE LIMITED REMEDIES AVAILABLE HEREUNDER FAIL OF THEIR ESSENTIAL PURPOSE.

## 8. GENERAL

8.1. No Assignment; Insolvency. This Agreement and any rights hereunder are non-assignable and any purported assignment shall be void. The Agreement and the licenses granted hereunder shall terminate without further notice or action by SYCODE if You become bankrupt or insolvent, make an arrangement with Your creditors or go into liquidation.

8.2. Choice of Law. This Agreement and any disputes arising out of or in connection with this Agreement shall be governed by the laws of the state of Goa in India without reference to conflict-of-laws principles and excluding the UN Convention on Contracts for the International Sale of Goods.

8.3 Entire Agreement. This Agreement and the applicable User Documentation constitute the entire agreement between You and SYCODE and supersede any other previous or contemporaneous communications, agreements, representations, or advertising with respect to the Software and User Documentation.

8.4 Severability. If and to the extent any provision of this Agreement is held illegal,

invalid, or unenforceable in whole or in part under applicable law, such provision or such portion thereof shall be ineffective as to the jurisdiction in which it is illegal, invalid, or unenforceable to the extent of its illegality, invalidity, or unenforceability and shall be deemed modified to the extent necessary to conform to applicable law so as to give the maximum effect to the intent of the parties. The illegality, invalidity, or unenforceability of such provision in that jurisdiction shall not in any way affect the legality, validity, or enforceability of any other provision of this Agreement in any other jurisdiction.

8.5 Audits. To ensure compliance with this Agreement, You agree that upon reasonable notice, SYCODE or SYCODE's authorized representative shall have the right to inspect and audit Your Installation, Access and use of the Software. Any such inspection or audit shall be conducted during regular business hours at Your facilities or electronically. If such inspections or audits disclose that You have Installed, Accessed or permitted Access to the Software on Computer(s) in a manner that is not permitted under this Agreement, then SYCODE may terminate this Agreement immediately and You are liable to pay for any unpaid license fees as well as the reasonable costs of the audit. Nothing in this section shall be deemed to limit any legal or equitable remedies available to SYCODE for violation of this Agreement or applicable law.

8.6 Language. The English language version of this Agreement is legally binding in case of any inconsistencies between the English version and any translations.

# ReadMe

---

This is the *3DM Import for Pro/ENGINEER* ReadMe file.

3DM Import for Pro/ENGINEER is a plug-in for Pro/ENGINEER Wildfire

### Installation:

=====

3DM Import for Pro/ENGINEER is a Pro/TOOLKIT application and needs to be registered with Pro/ENGINEER Wildfire before it can be used. Once you register the plug-in with Pro/ENGINEER Wildfire, it will be automatically loaded every time you start Pro/ENGINEER Wildfire. Before you register 3DM Import for Pro/ENGINEER it is important that you note down the folder where the plug-in was installed. The default installation location is "C:\Program Files\SYCODE\3DM Import for Pro ENGINEER".

### Plug-in Registration:

=====

1) The plug-in installer copies a file called protk.dat into the installation folder. Open it in NotePad and observe the lines starting with "exec\_file" and "text\_dir".

2) The line starting with "exec\_file" is the full path of the plug-in DLL. You need to choose the correct plug-in DLL depending upon your version of Pro/ENGINEER Wildfire. Modify the file path to match your plug-in installation folder and replace XXX in the file name as explained below:

For Pro/ENGINEER Wildfire 1.0 and 2.0, replace "XXX" with  
"3DMImport\_VC60.dll"

For Pro/ENGINEER Wildfire 3.0, replace "XXX" with "3DMImport\_VC71.dll"

For Pro/ENGINEER Wildfire 4.0 and 5.0 (32 Bit), replace "XXX" with  
"3DMImport\_VC80.dll"

For Pro/ENGINEER Wildfire 4.0 and 5.0 (64 Bit), replace "XXX" with  
"3DMImport\_VC80x64.dll"

For example, if you have installed 3DM Import for Pro/ENGINEER in the default location and you are using Pro/ENGINEER Wildfire 4.0 (64 bit) the line will be as follows:

```
exec_file C:\Program Files\SYCODE\3DM Import for Pro  
ENGINEER\3DMImport_VC80x64.dll
```

**IMPORTANT:** This is a critical step. The plug-in will not load into Pro/ENGINEER Wildfire if this step is not carried out properly. To better understand this step you may want to browse to the installation folder (typically C:\Program Files\SYCODE\3DM Import for Pro ENGINEER) and take a look at the file names of the plug-in DLL's copied into it.

3) The line starting with "text\_dir" tells Pro/ENGINEER Wildfire where to look for supporting files required by the plug-in. Modify the folder path

to match your plug-in installation folder.

4) Save protk.dat and exit NotePad.

5) When Pro/ENGINEER Wildfire starts it looks for a file called protk.dat and loads the plug-ins listed in it. Pro/ENGINEER Wildfire looks for protk.dat in a folder called "text" located in the Pro/ENGINEER Wildfire installation folder. For example, in the case of Pro/ENGINEER Wildfire 4.0, the "text" folder may be "C:\Program Files\proeWildfire 4.0\text". Copy the protk.dat that you just edited to the Pro/ENGINEER Wildfire "text" folder.

IMPORTANT: If there is already a file called protk.dat in the "text" folder, it means that you already have registered other plug-ins. Do not overwrite it. Instead, append the contents of the protk.dat file you just edited to the contents of the existing protk.dat file in the "text" folder.

Now 3DM Import for Pro/ENGINEER is ready for use.

Usage:

=====

3DM Import for Pro/ENGINEER adds new commands to Pro/ENGINEER Wildfire. It also adds a submenu to the Pro/ENGINEER Wildfire menu called "3DMImport" containing these new commands. Simply click on the menu items in this sub menu to run these new commands.

The new commands are:

- 1) Import - Imports a 3DM file
- 2) Help - Display the 3DM Import for Pro/ENGINEER help file
- 3) Register - Display the 3DM Import for Pro/ENGINEER product registration dialog box
- 4) About - Display the 3DM Import for Pro/ENGINEER about box

Support:

=====

For support, please E-Mail [support@sycode.com](mailto:support@sycode.com)

## Contact

---

Mailing address	S1/116, Nova Cidade Complex, NH 17, Alto Porvorim, Goa - 403521 India
Phone	+91 9822689298
Fax	+91 832 2416615
E-Mail	<a href="mailto:info@sycode.com">info@sycode.com</a>
Web Site	<a href="http://www.sycode.com">http://www.sycode.com</a>

# Command Reference

---

*3DM Import for Pro/ENGINEER* adds a new menu to Pro ENGINEER Wildfire. The '3DMImport' submenu consists of the following commands:

<a href="#">Import</a>	Imports a 3DM file
<a href="#">Help</a>	Displays the <i>3DM Import for Pro/ENGINEER</i> help file
<a href="#">Register</a>	Register your copy of <i>3DM Import for Pro/ENGINEER</i>
<a href="#">About</a>	Displays the <i>3DM Import for Pro/ENGINEER</i> about box

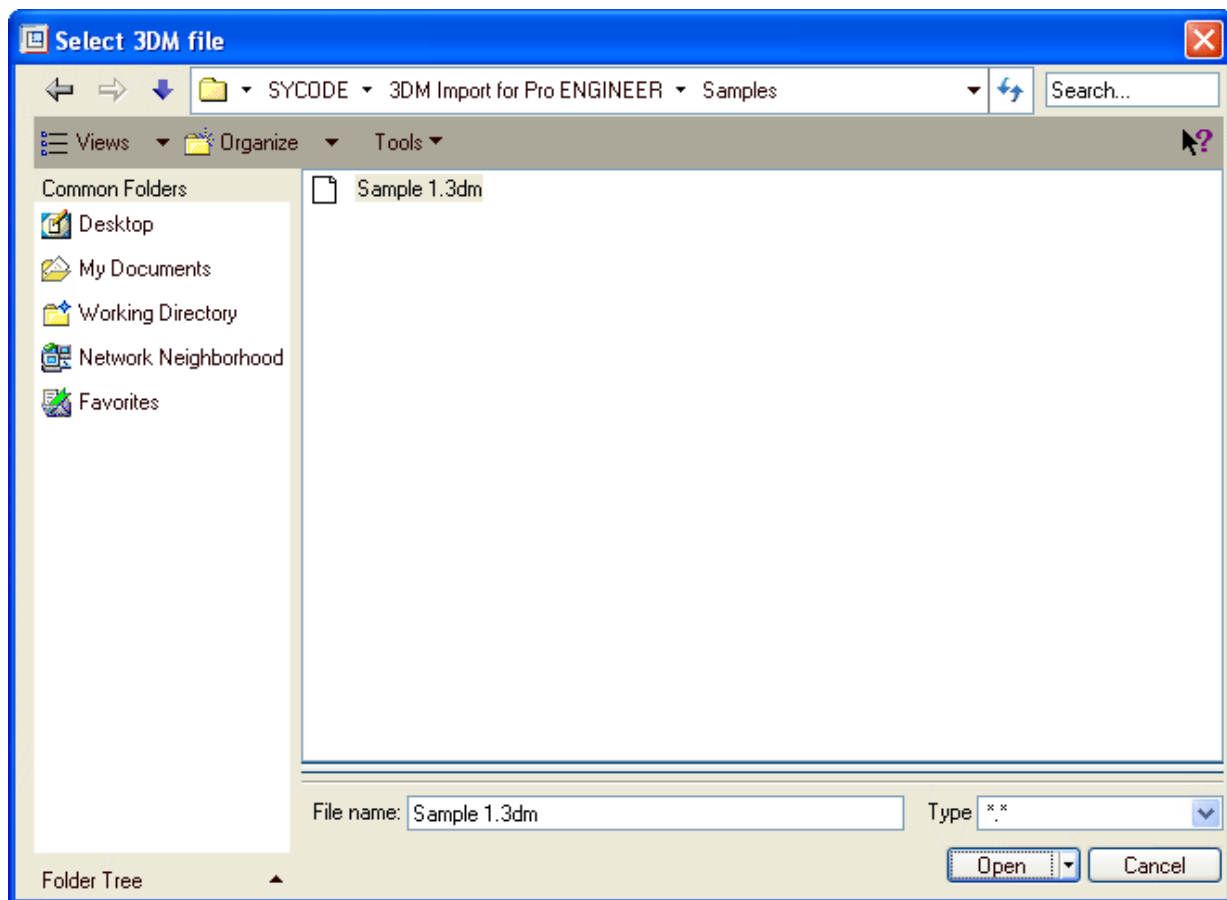
## Import

**Menu Button** 3DMImport > Import

This command is used to import geometric data from 3DM files into Pro/ENGINEER Wildfire.

### To import a 3DM file

1. Select *Import* from the "3DMImport" menu.
2. The Pro/ENGINEER file "Open" dialog box is displayed. Browse for the 3DM file you wish to import and click *Open*.



## Help

---

**Menu Button** 3DImport > Help

---

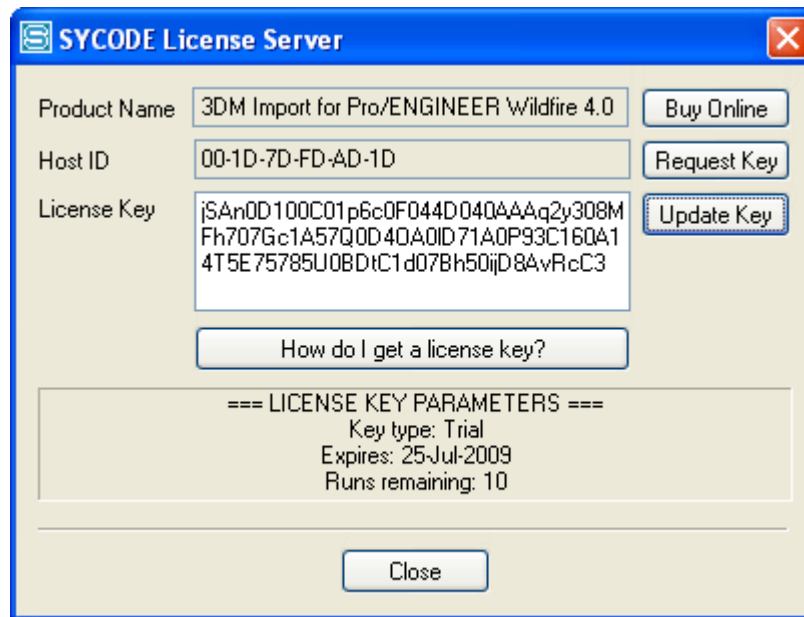
This command displays the help file. The [Welcome](#) page is a good place to start.

## Register

**Menu Button** 3DMImport > Register

This command is used to register your copy of *3DM Import for Pro/ENGINEER*.

You need a license key to start using the software. A license key can be of two types: Trial or Permanent. A trial key is issued to you instantly and completely free of cost so that you may try the software before you purchase a license. A permanent key is issued after you have purchased a license.



### How do I get a Trial Key?

Simply click the 'Request Key' button and select 'TRIAL KEY' as the type of key being requested. Fill the form and submit it. A trial key will be immediately sent to you by email.

### How do I get a Permanent Key?

To get a permanent key you need to have already purchased a license. If you have not yet purchased a license you can do so by clicking the 'Buy Online' button. After you place your order click the 'Request Key' button and select 'PERMANENT KEY' as the type of key being requested. Fill the form and submit it. Your order will be verified and a permanent key will be sent to you by email within one business day.

### IMPORTANT:

- (1) Please ensure that your computer is connected to the internet before you request for a key.
- (2) Please be sure to enter a valid email address as the key will be sent to you by email.

(3) To avoid disruption in your work-flow we urge you to place your order before the trial period ends.

If you need anything else please send an email to [register@sycode.com](mailto:register@sycode.com)

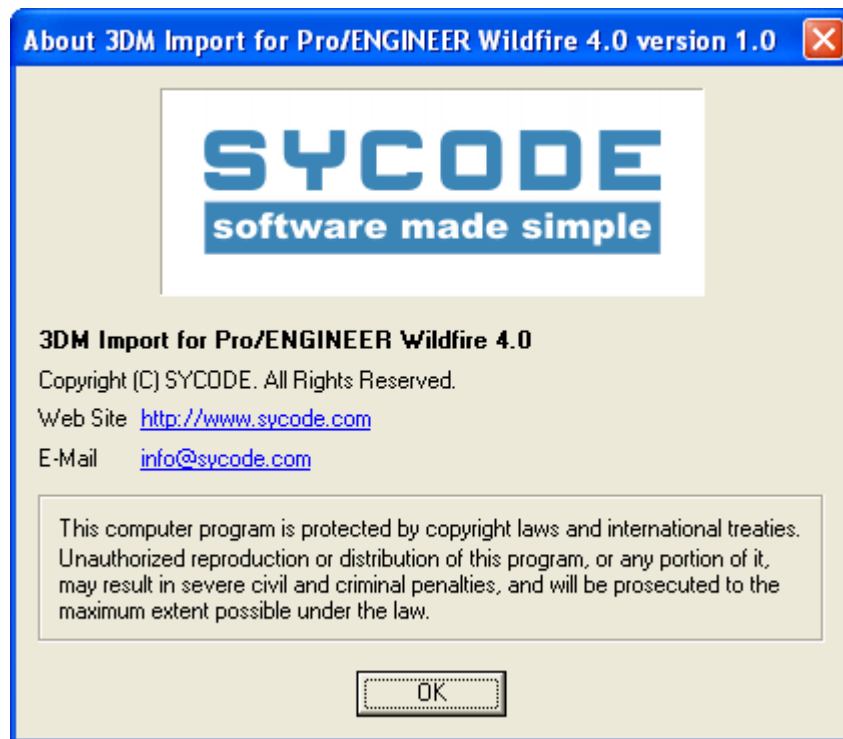
## About

---

**Menu Button** 3DMImport > About

---

This command is used to display the *3DM Import for Pro/ENGINEER* About box. The About box lists the product and its version



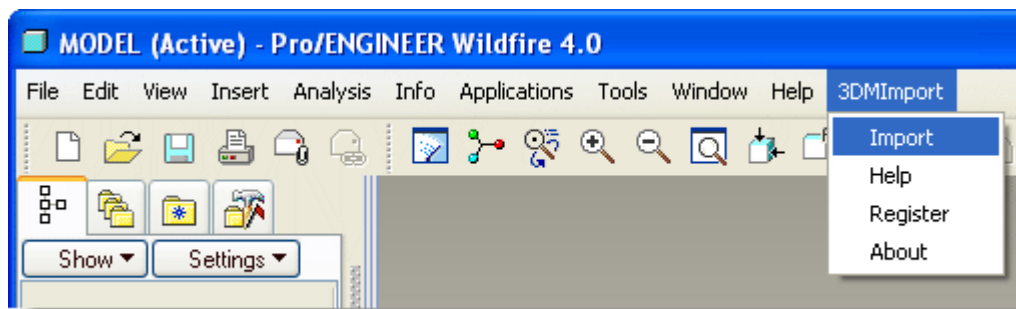
# Tutorial

---

This tutorial provides the necessary information and hands-on experience to help you get started with *3DM Import for Pro/ENGINEER*.

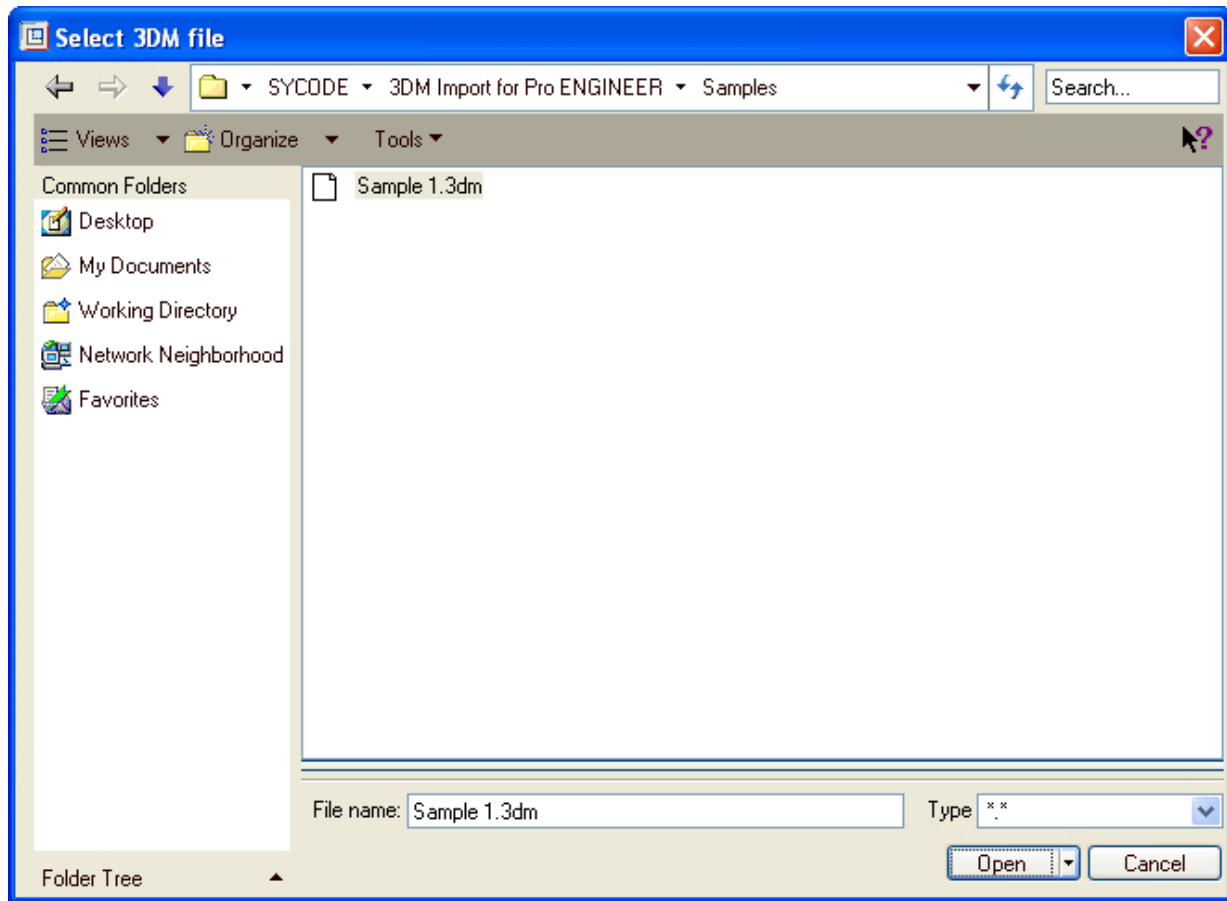
**Step 1:** Start Pro/ENGINEER Wildfire.

**Step 2:** Select *Import* from the "3DMImport" menu.



**Step 3:** The Pro/ENGINEER Wildfire "Open" dialog box is displayed. Browse for the file C:\Program Files\SYCODE\3DM Import for Pro ENGINEER\Samples\Sample 1.3dm and click *Open*.

## 3DM Import for Pro/ENGINEER Help



The figure below shows the final result.

