



Victaulic 3D Piping Solutions FORAN System

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1- Introduction.

The aim of this document is to describe the procedure to be followed in order to import the Victaulic 3D Piping catalogue in a FORAN V80 project. This is done using FORAN's FDEFIN module and the attached files.

2- Required files.

Required files are all in the folder 'Victaulic 3D Piping Solutions_Forán System', which should accompany this document. This folder contains two other folders:

- Victaulic 3D Piping Solutions_Forán System_Macro Files - This folder includes the macro files containing the geometry used by some of the Victaulic catalogue components.
- Victaulic 3D Piping Solutions_Forán System_Standards - This folder contains the XML files to be imported, with all the basic information required for the Victaulic standards. These standards include the corresponding piping classes and components, as well as material qualities, end & joining types, schedules, nominal pressures, elbow families, pipe standards, material specifications and user attributes.

These files contain the following fitting classes for Victaulic Components:

<i>FORAN Fitting type</i>	<i>Classes</i>
<i>C-FLAN Flanges</i>	Flange adapters
<i>E-FTNR Non reducer Flanged/Screwed</i>	End caps: <ul style="list-style-type: none"> - AGS Grooved Caps No. W60 - OGS Grooved Caps No. 60
	Couplings: <ul style="list-style-type: none"> - QuickVic Flexible Couplings Style 177N - Flexible Couplings Style 75 - Standards Flexible Couplings Style 77 - AGS Flexible Couplings Style W77 - Zero-Flex Rigid Couplings Style 07 - Roust-a-Roust Couplings Style 99
	Elbows: <ul style="list-style-type: none"> - 45° No. 11 - 45° No. W11 - 90° No. 10 - 90° No. W10
<i>G-FTRE Reducer Flanged/Screwed</i>	Grooved Reduction No. 50
<i>I-BRAT Branch Flanged/Screwed</i>	Tees: <ul style="list-style-type: none"> - OGS Reducing Tee No. 25 - OGS Grooved Tee No. 20 - AGS Grooved Tee No. W20

3- Importing procedure.

3.1- Files Location.

The first step is to extract the files from the 'Victaulic 3D Piping Solutions_Forán System' folder and copy them to the correct path.

Macro files, contained in the 'Victaulic 3D Piping Solutions_Forán System_Macro Files' folder, should be copied to the directory to which the 'macfit' variable is pointing. To know where this is, follow these steps:

- From the FORAN Manager open a DOS_Shell window (available under the 'Utilities' menu).



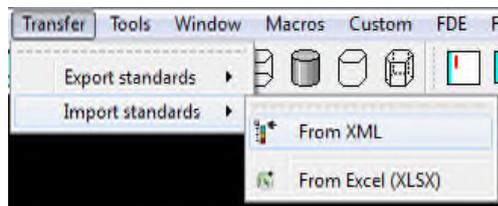
- In the DOS Shell window type 'set macfit'. The path for the variable will be displayed. This is where the macro files have to be copied.

Files in the 'Victaulic 3D Piping Solutions_Forán System_Standards' folder don't need to be in a specific folder. They can be located in any folder, as long as it is available during the rest of the process.

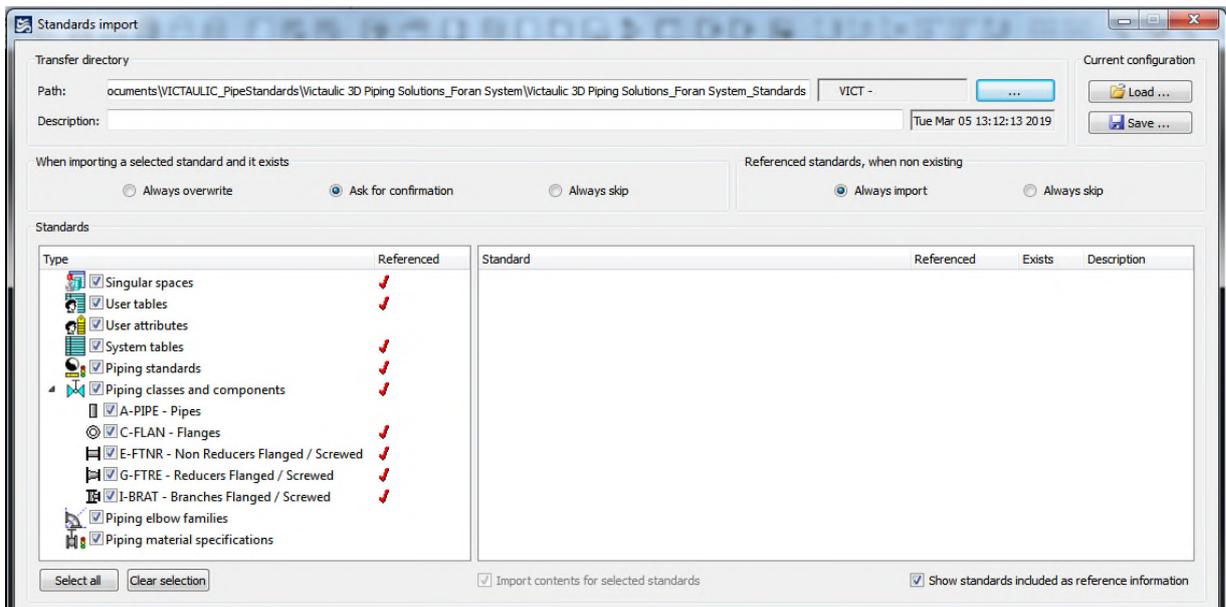
3.2- Importing Standards.

To import the Standards the next steps should be followed:

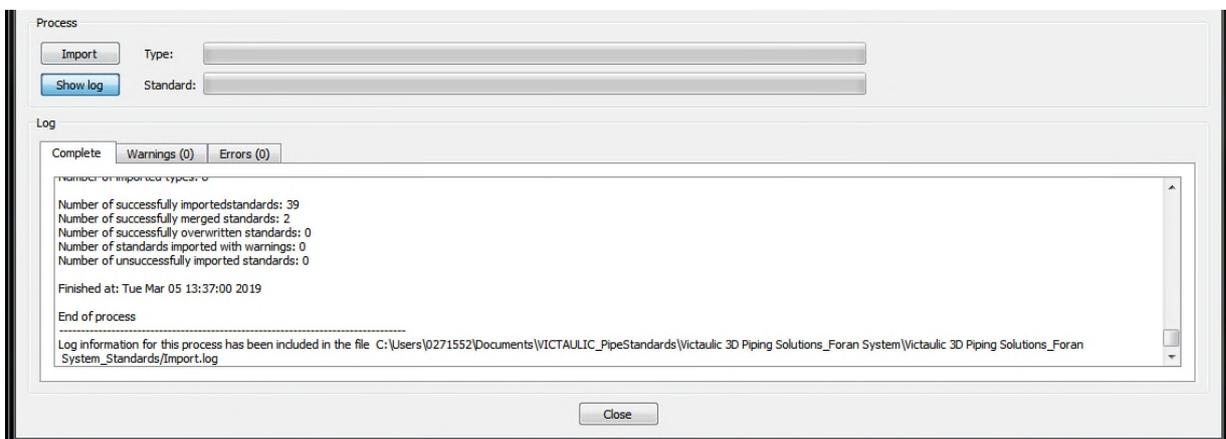
1. Open FDEFIN Module and select 'Outfitting Standards' working mode. The user to execute this task will need to have the *Outfitting basic Info* role assigned in the Database.
2. From the upper toolbar, in the 'Transfer' menu select 'Import Standards'/'From XML'.



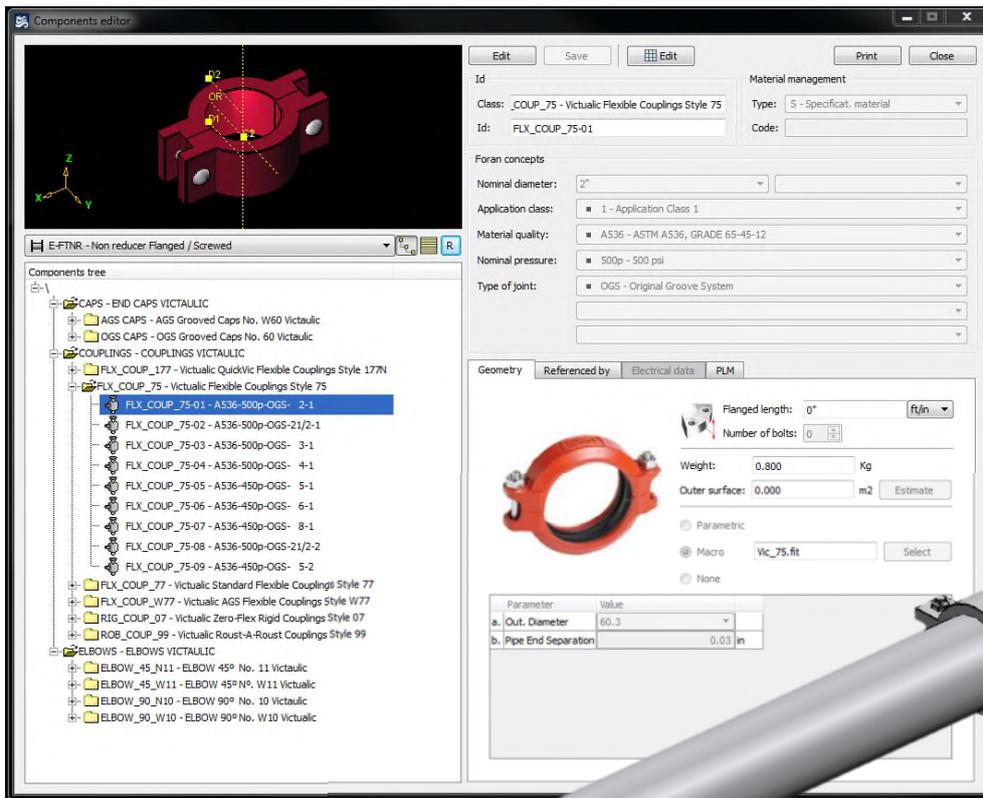
3. Select the folder in which the 'Victaulic 3D Piping Solutions_Foran System_Standards' files have been saved. Take into account that no file needs to be selected - only the folder.
4. Once the folder has been selected, all available standards will be listed in the window. Following options should be selected:
 - o Select all standards from the list.
 - o Select 'Always import' option for referenced standards.
 - o Select the desired behaviour when trying to import an already existing standard. 'Ask for confirmation' is recommended in order to receive a warning if there are standards defined in the project with the same name as those being imported.



- Execute 'Import' and wait for standards to be imported. When finished, use the 'show log' icon to display the log and check that all standards have been correctly imported (there should be no warnings or errors).



Once this process has been completed successfully, all the classes and components for the Victaulic catalogue will be available in the project, and ready to be used in the piping 3D model.



3.3- Considerations

Components with two possible outer diameters for the same ND (ND65 and ND125) use a second application class to differentiate both components. Criteria used is as follows:

<i>ND</i>	<i>Outside Diameter</i>	<i>Application class</i>
<i>ND65</i>	73.0 mm	1
	76.10 mm	2
<i>ND125</i>	141.3 mm	1
	139.7 mm	2

All other components use application class 1. Please take into account that application class used by pipe components will have to be in accordance with those used by imported elbows when using routing commands.