Introduction

The following document describes how to setup the Victaulic catalog to Plant-4D Design Suite, this guide is a reference for a Plant-4D Administrator who has knowledge on how the systems works and know the files that need to be updated.

The structure of the folders is based on a Windows 7 installation, if you are using Windows XP then they may be different (instead of C:\ProgramData locate files on C: \Documents and settings\All Users\Application Data)

BITMAP files

Should be located under C:\Program Files\CEA Technology\Plant-4D\Bitmaps
This folder contains all bitmaps used for the AutoCAD toolbars

AutoCAD menus

The provided files have the default Plant-4D 8.4 Rome menus plus the Victaulic module, if you have not customized your AutoCAD menus you can replace your menu with the provided ones on this set.
If you have customized your menus, you can import the Victaulic module provided in the menus using the CUI Editor inside AutoCAD

C:\ProgramData\CEA Technology\Plant-4D\AutoCAD\Pipe\R17 (CUI format)
C:\ProgramData\CEA Technology\Plant-4D\AutoCAD\Pipe\R18 (CUIX format)

Shortcut file

Open the provided file (C: \ProgramData\CEA Technology\Plant-4D\AutoCAD\Pipe\Victaulic Shortcut.grs) in a text editor, and copy/paste the entire content at the end of the Shortcut.grs file located in the same folder.

Isogen Translate table

You will need to paste the records provided in the C:\ProgramData\CEA Technology\Plant-4D\PIsogen\ VICTAULIC_P4DTOISO.MDB (TRANSLATE table) into your active P4DtoISO database. Update the table with the provided records according to the system you are using (Imperial, Metric or Mixed Metric) or the dB setup (MS Access or SQL Server).

Components

The provided component database C:\ProgramData\CEA Technology\Plant-4D\Projects\ COMPPIPE_VICTAULIC_UPDATE.MDB has all Victaulic components, you can either use it as a separate dB (add the entry on the PCE) or you can copy the components to your existing COMPPIPE database (using the component copy tool)

Specifications

The provided specification database C:\ProgramData\CEA Technology\Plant-4D\Projects\ SPEC_VICTAULIC_UPDATE.MDB has all Victaulic SPECS, you can either use it as a separate dB (add the entry on the PCE) or you can copy the specs to your existing SPEC database.

Project update

In order for the components to be inserted and follow the placement and end conditions rules, you will need to update the project COMPONENTGROUPS and SETTINGS tables. The provided file
C:\ProgramData\CEA Technology\Plant-4D\Projects\PRJ_VICTAULIC_UPDATE.MDB
has all required records

- COMPONENTGROUPS table – copy the records in this table to the project where you are going to use the Victaulic module

- SETTINGS table – if the end conditions have not been customized and you are using the default, then delete all the records where ROOT=PIP and SECTION=EndC*
  Then paste the provided records in the table

ROOT	SECTION	KEYNAME	VALUE
PIP	EndC*		

If the EndConditions have been customized, then just add from EndC19 to EndC30 in the provided SETTINGS table to your existing, paste first records in Excel and change the numbering sequence as needed. Update the ROOT=PIP and SECTION=EndConditions and KEYNAME = List
In the VALUE field modify to the new numbering sequence.

Specindx.ini

Open the provided \ProgramData\CEA Technology\Plant-4D\Settings\Victaulic_Specindx.ini in a text editor, copy the entire content and paste it in C:\ProgramData\CEA Technology\Plant-4D\Settings\ Specindx_Imperial.ini

Questions

If you have any questions with the following guide, please forward them to support.usa@cea-int.com