

## Differences between editions

State: pCon.planner 8.12

Persistency	STD	ME	PRO
Loading and saving of DWG- and DWT-files	X	X	X
Conversion and support of older DWG formats	X	X	X
Extended template support including standard templates	X		X
Name and link properties on objects	X		X

  

Import	STD	ME	PRO
Geometry format (DWG, DWT, DXF, SAT/SAB, 3DS, SKP)	X	X	X
Extended Geometry (Collada/DAE, FBX, GLTF, OBJ, STL, USD)	X		X
Point clouds (E57, <b>PLY</b> )			X
Microstation (DGN)			X
pCon.box projects (PBOX)	X	X	X
pCon.basket Offline projects (OBK)		X	X
EasternGraphics OBX		X	X
EasternGraphics EOX	X	X	X
pCon Exchange Container (PEC)	X	X	X
Acoustics data CadnaR (CNIVG)			X
IFC 2.3 + IFC 4 (IFC)	X		X
Portable Document Format (PDF)	X		X
Extended CAD formats (Step, IGES) – Meshes only			X
Photometric data (IES, LDT/Eulumdat)	X	X	X
Image format (PNG, BMP, TIF, TGA, GIF, JPG, WEBP)	X	X	X

Export	STD	ME	PRO
Geometry format (DWG, DXF, DWT, GLTF, USDZ, 3DS)	X	X	X
Image format (PNG, BMP, JPG, TIF/TIFF, WEBP)	X	X	X
Clipboard 3D: MS Office, SkecthUp, AutoCAD	X		X
Clipboard 2D: MS Office, Adobe Creative Suite	X		X
Clipboard Articles: pCon.basket (Online + Offline)		X	X
2D Vector Graphics (PDF, SVG, EMF, DWG/DXF)	X		X
Additional Geometry Formats (Collada/DAE, FBX, SKP, OBJ)	X		X
STL Format (STL)			X
Article information (OBX, XLSX, CSV) - for active manufacturer only - for all manufacturers		X	X
Export of article information as Excel document <sup>1</sup>		X	X
Projects for pCon.basket (OBK)		X	X
pCon Exchange Container (PEC)	X	X	X
IFC 4 (IFC)			X
Export of product data for Autodesk® Revit®			X
ReCAD export to Relux			X

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<sup>1</sup> Requires Microsoft Excel installed

Media content		STD	ME	PRO
	Image	X	X	X
	Panoramic images	X	X	X
	Vector Graphic	X		X
	Animations	X	X	X
	Videos	X	X	X
	Media Browser to manage the media content	X	X	X
	Renderer: OSPRay, Realtime	X	X	X
	Multi Content Pictures			X
	Multi Content Panoramas			X
	Export for external rendering (OSPRay)			X
	Render Styles	X		X
	Add logo to animations / images	X	X	X
	Add spherical panoramas as image background	X	X	X
	Link to Impress (Sharing Models)	X	X	X
	Photo-realistic product images for postprocessing in image editing programs	X	X	X
	Picture editor	X		X
Printing		STD	ME	PRO
	Image print	X	X	X
	Image export	X	X	X
	High quality printout (vector based)	X	X	X
	Printing to scale	X	X	X
	Layout tool including options for dimensioning, features for professional positioning of views, handover of selections from planning to printout pages			X
	PDF creation	X		X

Architecture		STD	ME	PRO
	Wall elements (walls, windows, round window, doors, glass fronts, gates, openings)	X	X	X
	Wall objects (sockets, network sockets, switches, ...)	X	X	X
	Light sources (spot, point, directional, area, ambient light, , photometric)	X	X	X
	Additional elements (ceiling with grid, floor, stairway, pillars, railing, blinds, roof pitch, dormer)	X	X	X
	Installation elements (radiator, pipework)	X	X	X
	Creating wall objects	X	X	X
	Space management (room splitter and room stamp)	X		X
	Interactive element placement	X		X
	Floor plan tool	X		X
	Convert point cloud to floor plan			X
Drawing		STD	ME	PRO
	Shapes (rectangle, polygon, line, circle, ellipse, arc, ...)	X	X	X
	Freehand tool	X	X	X
	Solids (cone, sphere, cube, cylinder)	X	X	X
	Texts	X	X	X
	Advanced Text	X		X
	Dimensioning	X	X	X
	Rounding Edges (2D)	X	X	X
Construction		STD	ME	PRO
	Subtract	X		X
	Merge	X		X
	Intersect	X		X
	Stretch	X		X
	Slice	X		X
	Follow me tool	X		X

Tools	STD	ME	PRO
Duplicate (array, quick copy, clipboard operations)	X	X	X
Move (rotate, move, object interactor)	X	X	X
Change (scale, mirror, extrude – expanded -, region)	X	X	X
Hide, lock and group objects	X	X	X
Replace	X	X	X
Materials (picker, fill color, texture edit)	X	X	X
Material editor	X	X	X
Interactive property transfer	X	X	X
Property container	X	X	X
Definition of insert point	X		X
Creation of reference copies	X		X
Guiding lines	X	X	X
Editing of groups	X	X	X
Arrangement and Alignment	X	X	X
Hatches	X	(X)	X
2D Symbol	X		X
2D Crop	X		X
2D Projection			X
Clipping	X	X	X
Point Cloud clipping			X

Dimensioning	STD	ME	PRO
Straight dimensioning	X	X	X
Automatic wall dimensioning	X	X	X
Aligned and angle dimensioning	X		X
Callouts	X	X	X
Dimensioning for radii, diameters and arcs	X	X	X
Dimension style editor	X		X
Import of dimension styles	X		X
Area measure for certain elements	X	X	X
Online content	STD	ME	PRO
pCon.catalog	X	X	X
Support for configurable models	X	X	X
Access to symbols of online catalogs (3D Warehouse)	X	X	X
Product Information (dynamic online service)	X	X	X
OFML	STD	ME	PRO
Article features (catalog, article list, exports, print preview): - for specific manufacturer - for as many manufacturers as desired		X	X
Using article data with multiple price dates		X	X
Special articles: - conversion of standard OFML articles - constructive modification of OFML articles - conversion of arbitrary geometries		X	X X X
Profile manager		X	X
Extended article search		X	X
Folder manager			X
Article Selection			X
Switch between 2D and 3D representation			X
Reference numbers			X
Set Articles		X	X
OAP support		X	X

Workspace		STD	ME	PRO
	Realtime display modes (wireframe, hidden line, colored, textured, conceptual, shaded, realistic)	X	X	X
	View control (perspective, orthogonal, ISO, object)	X	X	X
	Add spherical panoramas as image background	X	X	X
	Add HDRI image as environment light source	X	X	X
	Individual setup of workspace with independent viewports	X	X	X
	Navigation panel (zoom, pan, orbit, look around, walkthrough)	X	X	X
	Create, use and delete custom cameras	X	X	X
	Custom toolbars	X	X	X
	Context sensitive mini toolbar	X	X	X
	Live View	X	X	X
Layer		STD	ME	PRO
	Management of layers			
	- considering all viewports simultaneously (global)	X	X	X
	- independent layer management for each viewport (local)	X		X
	Additional layer operations (add, remove, rename, select all objects, assign layer to objects, filter)	X		X
	Editor to create custom layer filter	X		X
Misc		STD	ME	PRO
	Compatibility mode for less capable hardware	X	X	X
	Quality level for solid tessellation	X	X	X
	Multiple instances	X		X
	pCon.login support		X	X
	Protection by license management			X
	Extended command line parameters			X
	Plugin SDK			X

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