Installing

- Please note that installing Easy Release 2019 will not overwrite an older (2018, 2017, ...) existing installation of Easy. You can use Easy 2019 and an older release of Easy on the same computer.

- Easy Release 2019 requires a new password!

Known Issues

This list covers some of the known problems with Easy 2019. Please read this before reporting any new bugs.

➔ There are no known issues at the moment.
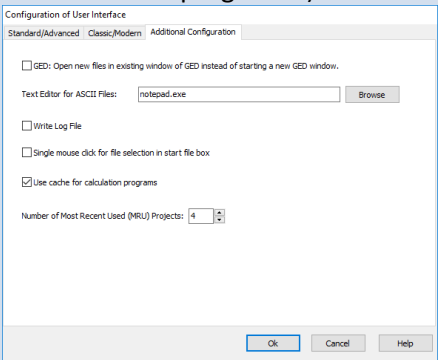
System Requirements

Operating systems

- Windows 10 (current service pack) 64-bit
- Windows 8.1 (current service pack) 64-bit
- Windows 8 (current service pack) 64-bit
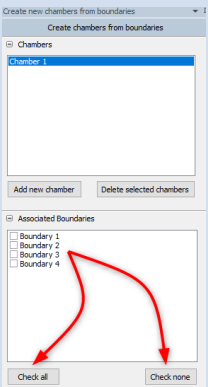- Windows 7 (current service pack) 64-bit

Minimum Hardware

A graphic card with an OpenGL accelerator is strongly recommended.

What's new in Easy Release 2019?

Easy Shell		
Module	**Type**	**Description**
Shell	Enhancement	The new help system uses Acrobat Reader for viewing. An installation of Acrobat Reader DC is required to use the program help.
Shell	Enhancement	Dialog "Parameters for AutoCut procedure" improved: • Button for setting default values. • Axes in preview • Panning in preview • Parameters and Preview also for the modes "Inner point" and "Radial centre outside"
	Enhancement	Batch Jobs: The new placeholder $CURDIRNAME is replaced by the name of the current project directory during execution.
Shell	Enhancement	Cache speeds up the execution of calculation programs ("Use cache for calculation programs"):
Shell	Enhancement	Membrane Material Database: Move position of lines
Shell	Enhancement	AutoCut: Radial nets: The increment angle is calculated automatically according to the number of strips
Shell	Enhancement	New Splash/About boxes

Graphical Editors

Module	Type	Description
FormEdit	Enhancement	The user now has the option to switch off the automatic recalculation after a parameter change.
FormEdit	Enhancement	The mesh direction "1000" can now be set for multi selected boundaries with "Pick points" in one step.

FormEdit	Enhancement	The direction of control lines can now be switched and visualized. This feature is useful for the coordinate system definition of beam elements in the static calculation e.g. Easy.Beam.
FormEdit	Enhancement	A new mesh offset determination type "By point" was established. The mesh lines can be created in a way that they run through the same point. This is useful if the membrane is sliding over the beam. Determination type "Centered" Determination type "By Point"
FormEdit	Bug fix	An error occurred if a chamber without associated boundaries was defined. This error is resolved.

FormEdit	Enhancement	Check all and Check none for associated boundaries for chamber creation.
GED	Enhancement	Split links: T Elements are adjusted
GED	Enhancement	Points Context Menu: Create Vectors: Creates default vector for all selected point
GED	Enhancement	Weather: Sun and rain simulation
GED	Enhancement	Parts: Speed up of moving triangles/polygons from one part to another
GED	Bug fix	Split links: Division by zero
GED	Enhancement	CSV import/export: Consider links (Point number from/to)
GED	Enhancement	Dwg export: Labeling of vector values
GED	Enhancement	Allow creation of duplicated link
Strip	Enhancement	Toolbar Button: Open background file

Easy.Beam		
Module	**Type**	**Description**
Beam	Enhancement	Interface to SAP2000® steel software:
Beam	Enhancement	Split links: T Elements are adjusted
Beam	Enhancement	Material and Cross Section Database: Move position of lines
Beam	Enhancement	New function "Adapt local coordinate system" recalculates local coordinate system of links
Beam	Enhancement	Visualization of roll elements
Beam	Enhancement	Graphics accelerated
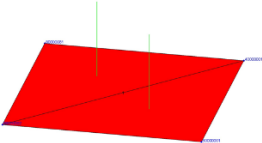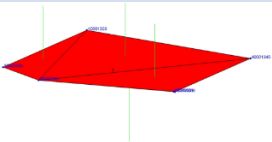
Tailor		
Module	**Type**	**Description**
Tailor	Enhancement	Compensation: Distinction between Boundary, Boundary Upper, Boundary
Tailor	Enhancement	Additional Points/Links: Projection vector
Tailor	Enhancement	Cutting Patterns View: Creation of dimensioning improved
Tailor	Enhancement	Cutting Patterns View: Saving of dimension lines
Tailor	Enhancement	Cutting Patterns Overview: Font size of pattern name
Tailor	Enhancement	Dxf-Export: Renumbering corner points: Choose starting point number
Tailor	Enhancement	Dxf-Export: Translation offset for pattern name
Tailor	Bug fix	Incorrect area in Cutting Patterns View
Tailor	Bug fix	Additional Points/Links: Batch-Job used wrong easy.ini
Tailor	Enhancement	Dxf-Export: Improved positioning of corner point numbers
Tailor	Enhancement	Cutting Patterns View: New Toolbar button creates dimensional for diagonals of rectangular patterns
Tailor	Enhancement	Batch jobs: Error messages if EIN files do not exist.
Tailor	Enhancement	Dxf-Export: Export a square BLOCK instead of welding mark lines:

Report Generator RepGen		
Module	**Type**	**Description**
RepGen	Bug fix	Error in link elements ($700) import resolved (Easy.Beam)
RepGen	Bug fix	Material (Shear) was always 0 in report → Resolved
RepGen	Bug fix	Angel elements were never imported in case of Easy.Beam report
RepGen	Enhancement	EShear format changed to floating point

Calculation programs		
Module	**Type**	**Description**
Loop2D	Enhancement	The program Loop2D in Easy Release 2018 has the parameter „Diagonals to 99-points". This parameter was set by default. Therefore, Loop2D creates triangles at a mesh of a corner as follows: A triangle between the fixed points 80000001, 80000061 and 99000002 will be flat. We do not want to have this in case of e.g. pneumatic systems. In some special cases this parameter leads to wrong orientated triangles. If the discretization of the boundaries is fine related to the mesh size sometimes we have this effect especially if the boundaries were imported and created by external CAD systems. The program Loop2D creates now correct triangles in the new release.