

## Service Release PLANBAR 2016-1-2

You can only use this version if you have installed DVD number 03-02-02-16-FTW (PLANBAR 2016-1-1 Release) or DVD number 02-02-11-15-FTW (PLANBAR 2016-1 Release) and the PLANBAR 2016-1-1 hotfix!

Possible initial versions: PLANBAR 2016-1-1 Release

### How to download the installation file:

<http://precast-software.com/service/download.php> > Software > PLANBAR 2016-1-2 Service Release

Download file: PLANBAR-Update\_2016-1-2.zip

### How to install:

1. We recommend backing up the data before you start installing.
2. Check that your computer is running PLANBAR 2016-1-1.
3. Exit PLANBAR 2016-1-1 and start the PLANBAR-Update\_2016-1-2.exe file.  
Do this for every computer running PLANBAR 2016-1-1.
4. Follow the instructions displayed on screen.

If you want to update an older Allplan Precast version or PLANBAR version, please contact Technical Support.

### Where to turn for support:

Our Technical Support answers your questions about installing and updating:

Tel.: +43 662 423377; fax: +43 662 854111 610; email: [support@precast-software.com](mailto:support@precast-software.com)

Hotline service hours: Monday to Thursday from 8 am to 12 noon and from 1 pm to 4 pm; Friday from 8 am to 12 noon

This service release includes the following features:

### General:

We edited and corrected various messages of Quality Reporter, resulting in a more stable Allplan.

We improved the 'datwaprjs' hotline tool for converting the data of all projects straight from the Services application. If conversion of a drawing file was not possible, the subsequent drawing files and projects were not converted either. In some cases, you could not use the contents of these drawing files and projects any more.

We sped up direction-based selection of large data volumes. You can now select data in the negative x-direction more quickly (green selection rectangle; elements fully and partially bounded by the selection rectangle).

Zooming and panning is much faster now, in particular when you copy a lot of text.

### Workgroup manager:

- You can use the shortcut menu of an element to change the drawing file status in a new Workgroup project. The program will not display a message.
- When you allow every normal user to access print sets and privilege sets, these sets are again visible to project owners.

We improved import and export in various ways:

- The program detects and imports dynamic blocks from AutoCAD.
- We improved the import of circles and arcs from AutoCAD with negative z-values.
- You can import circles from AutoCAD with object heights again.
- When importing and exporting DWG data, the program now checks the 'odx.lin' definition file and adds only new line styles.
- Object IDs are always correct even if several users who successively log in to the same computer export the same project to bim+.
- You can not only export facade elements and railing elements to bim+ but also display these elements in the viewer.
- The program now transfers the layers of reinforcement elements as attributes to bim+.
- We improved the messages for exporting data to bim+.
- The program analyzes and assigns the layer colors when importing DGN files.
- We improved the import of walls with special geometric shapes from Revit.
- We improved IFC export of element groups consisting of 3D objects with IFC attributes. Allplan now retains the height settings of the 3D objects.
- The program correctly combines placed bar reinforcement when importing IFC data.
- Door swing and door swing symbol are not lost when you export data to the IFC format and then reimport the data to Allplan.
- We improved the 'Export CPIXML Data' tool. Allplan also exports particular 3D objects (similar to IFC export).

Drafting:

- When you copy several elements in one go, the elements are correctly attached to the crosshairs.

Architecture:

- The 'Mark Critical Model Data' tool allows you to save the markers in the drawing file.
- The 'Server is busy' message no longer appears in conjunction with some reports.
- When you use 'Stretch Entities' to modify a wall with smart door symbols, the direction of the door swing symbol does not change.
- When defining the height setting of a slab in relation to the roof plane, you can define the offset so that it is perpendicular to the plane.
- The 'Building alteration category' attribute is not lost when you use 'IBD CAD Data for Building Alteration' and apply 'Conversion for Building Alteration Work' with the 'New attributes' option.
- You can see the appropriate help topic when you click the 'Help' button in the 'Properties' dialog box of the 'Dimension Walls' tool.

Layout:

- We improved the look of reinforcement in print view and PDF export when the 'Use OpenGL for all viewports' option is not active.
- When you open a project from Allplan 2013 in the current version, format and orientation are preset correctly.

### **Associative views and sections:**

- The program issues a message when you try to create an associative view of elements that are too far away from each other.
- Reinforcement placed in rotation in an associative view can again be modified multiple times.
- Allplan copies the section object together with the section even if the layer of the section object is set to visible, frozen.
- It is now easier to delete elements with the current layer from an associative view (all other layers are visible, frozen).
- Couplers of the Erico-Lenton P13LN type are visible in associative sections.

### **Catalogs, configurations:**

The "MrkNo, [-], string, mark number" and "AddText, (-), string, additional text for mark number" attributes are now also available as "Variables for the lines below the mark number" in the configurations for labeling elements.

Do not forget that the "MrkNo" variable does not necessarily have to include the actual number. Instead, this variable can include only the status text (for example, -G-) or an additional status text (for example, 23-L-)!

### **Precast slab:**

The "Definition Ranges" tool provides the following new options for secondary reinforcement:

- You can set a separate display option for secondary reinforcement in each definition range. The following options are available: "Show all bars", "Show bar in the middle only" and "Show bar in the middle folded". If the definition range extends across several slabs, the selected option applies to each slab.  
**NOTE:** The "Bar Reinforcement" module in the engineering family also provides the "Show selected bars" display option. We did not implement this option here, as secondary reinforcement in a definition area updates automatically to reflect any changes you make. Consequently, you would have to select the bars you want to display whenever you change something. This would be very tedious and time-consuming.
- You can activate the new "Alternating shortening" option by selecting the check box below "Reinforcement no.". This option creates the bars alternately with the "Reinforcement length" set. Even if a placement is not rectangular, the program tries to alternately create bars of the same length.

Smart symbols are deleted together with the slab elements as usual.

The printouts for analyses of shear force and bond are correct, displaying secondary girders in the correct line.

The symbols you selected for identifying lattice girders in plan view on the "Display" tab in "Catalogs | General | Lattice Girder Catalog" will be copied, moved, ... together with the lattice girders.

### **Precast wall:**

The "Precast elements" category provides the new "Insulating strip volume" attribute (@1467, double) for walls created with the "Wall Element Design" tool. You can use this attribute to add up the volume of insulating strips.

### **Structural precast element, i-Part:**

The program updates structural precast elements of the "Stair" type correctly when you click "Reset input parameters" (blue arrow). If landings are switched off, the program switches them on again and recalculates all possible dimensions.

### **BIM booster:**

The "Precast elements" category provides the new "Additional IDs (same mark number)" attribute (@1466, text), which is particularly useful for working with the "BIM Booster" module.

The program looks for all precast elements with the same mark number in a model drawing file (or in a normal drawing file if you do not work with the "BIM Booster" module). The program then reads the additional ID of each precast element, putting these additional IDs together to a common string (for example, 1a, 2b, 10b and so on). When applied to a detailed precast element, the attribute returns a string with all additional IDs of the associated model precast elements.

The shortcut menu of a model precast element offers the new "Align Detail" tool. This tool moves or rotates the associated detailed precast element to the place of the associated model precast element. Consequently, the detailed precast element is in the same place as the selected model precast element provided the span direction, viewing direction and reference point are the same for the model precast element and the detailed precast element and you synchronized the geometry beforehand.

The "Transfer Detailed Drawing File" tool automatically synchronizes the attributes and the basic geometry of the target model precast element with the attributes and the basic geometry in the new detailed drawing file. As a result, the mark number, the precast ID, the additional ID and the basic geometry of the model and the detail are the same.

You can use the new "Model drawing file name" attribute (@1469, text), which returns the name of the model drawing file belonging to a detailed precast element. The program always transfers the drawing file name of the model drawing file to the detailed drawing file, saving the name with the detailed precast element in the detailed drawing file. For example, you can include the name of the model drawing file in element plan labels or in labels for data export.

**NOTE:** This attribute is only useful if all models are in the same drawing file!

When creating the data, the "Export TIM Data" tool and the "Element Plan in Batch Run" tool in conjunction with "Printer", "DXF", "DWG", "PDF" or "HPGL" option now automatically synchronize the attributes of the model precast element with the detailed precast element for each precast element selected.

The "Rearrange Marks" tool and the "Synchronize" tool in the "BIM Booster" module no longer consider symbol fixtures consisting of several objects to be identical.

### **Element plan:**

A new installation sets the pattern for the "Export file name for element plan in batch run" on the "Export file name" tab in "Configurations | General | Program Sequence" so that element plans with several pages no longer overwrite each other.

If you output several formats with the "Element Plan in Batch Run" tool at the same time, you can find the format size in front of the file name extension (for example, "xxx.210x297.pdf"). As a result, this tool no longer overwrites different sheets it has already exported.

We improved "Catalogs | General | Layout Catalog" in various ways:

- You can select the "File path" for the "Formwork bottom symbol" for "Views" of walls and slabs on the "Symbols" tab in the properties of an elevation view (viewing direction 3 and 5) or of the plan view (viewing direction 2 and 5). This setting is the same as that you can find in "General | Symbols | Symbols for formwork attributes". The selected symbol is then displayed in the same way as the "Symbols for formwork attributes".
- You can select the "End symbol" for a leader in the "Label reinforcement" area in the properties of "Text" of a "Reinforcement view - parallel projection".

### **Fixtures, smart symbols:**

- We reworked the "Methods for Placing Fixtures" tool for "Linear fixtures along line" in conjunction with the "Create linear fixture of given length" option. When creating the selected linear component, the program always uses one of the preset lengths.
- It is now easier to save modified fixtures.
- Allplan correctly creates linear fixtures with patterns or hatching.

### **Secondary reinforcement (bar reinforcement, mesh reinforcement):**

We improved various features for bar reinforcement and mesh reinforcement:

- You can undo modifications you simultaneously made to the geometry of bar reinforcement in two sections. The program no longer displays a message.
- We improved the 'Stretch Entities' tool for bar placements. The program only creates new marks if this is necessary. Furthermore, the program updates labels correctly.
- The program retains the schema when you modify a bar using 'Stretch Entities'.
- We improved the 'Stretch Entities' tool for editing structural precast elements with reinforcement.
- The 'Copy and Paste, Rotate' tool places all meshes correctly when you edit several meshes with different mark numbers.
- You can now select individual bars more easily.
- It is now easier to modify reinforcing bars placed in general 3D objects in an associative view.
- When you delete segments, Allplan no longer unlinks the associated dimension strings.
- When you change the mark number using the 'Modify Mark' tool, Allplan now takes into account bars on frozen layers, too.
- When you use 'Stretch Entities' to modify all bars of a mark, Allplan retains the schema and the mark numbers.
- If there are several placements of a bar and you change only one of these placements using direct object modification, Allplan correctly updates the schema and the mark numbers.
- You can now place meshes in span in associative views and sections more quickly. Allplan no longer takes into account referenced drawing files you have not loaded.

The "Precast elements" category provides the new "Assembly group name" attribute (@1470, text) for reinforcement cages created with the "Assembly" tool in an engineering module. The value of the attribute is equivalent to the "Name" field of the "Assembly" tool.

We corrected the names of the LCE2 (LCE2 22) and DYN LCE2 (DYN LCE2 22) couplers in the Standard B500B and SMI B500C catalogs of the Bartec company.

## Reports, lists:

If you use the "050 Stack list.rdlc" report as a mere list of elements, that is to say, without having stacked the elements, this report sorts the elements by mark number in ascending order.

The "List Generator" tool can now output the additional ID of a precast element. To do this, you can use the new "ZusFtID" variable.

## Production planning, invoicing:

You can automatically write smart opening symbols in stagger levels to lists. All you need to do is click a button on the BFT menu.

This new feature applies to the measurement sheet, the xml-KPR interface, the ADS interface KSTP, the xml-ADS interface and the PXML Delegate File V 1.3 for the slab and wall design modes.

For this purpose, the "Logging" tab in "Catalogs | General | Fixture Catalog" includes the following new options for surface fixtures for which you selected "Use as a smart architectural symbol" on the "General" tab:

- "No staggering" → The opening is not counted as a recess. Consequently, the opening is not included in the marks listed under "Recesses greater, smaller than ...". You cannot define any further settings.
- "As a recess" → The opening is counted as a recess as usual.
- "As a smart symbol" → The opening is not counted as a recess. Instead, the opening is listed with the name specified in "Name for staggering" in a separate array in accordance with the stagger levels you set for the opening sizes (for example, "wall openings < 0.5 m<sup>2</sup>"; "wall openings < 1 m<sup>2</sup>" and so on).

**NOTE:** You can define the name for the stagger level in "Name for staggering". If you leave this box empty, the program uses the name (= smart symbol name) of the fixture.

The "Suppress output of article" button is available for the "As a recess" and "As a smart symbol" settings.

Normally, the program writes a smart symbol as a fixture to the measurement sheet or to the ADS interfaces (for example, "wall opening 80/60 cm"). If you do not want to list the smart symbol as a fixture, click the "Suppress output of article" button. As a result, the program counts the smart symbol as a recess, listing it only with the recesses.

We added the steel grades of bars, meshes and stirrups as variables to the list generator so that you can now transfer the steel grades using the xml-ADS interface.

To do this, you can find the additional "Consider steel grade for materials management" parameter in the "Schedule defaults" for the xml-ADS interface. In addition, make sure each reinforcing bar mark or mesh mark you want to transfer separately has a distinct article number in the article catalog. Only then can the program distinguish between bars and meshes in the article catalog.

If you have activated the new parameter in the configuration and there are appropriate bars or meshes, the program links the steel grade with the match code in the list for materials management (Block <ArticleList Type="Inventory">). The marks in the list are based on the following pattern:

- Straight steel → "Steel" + diameter + "/" + steel grade
- Bent steel → "Steel bent" + diameter + "/" + steel grade
- Meshes → "Mesh" + mesh identifier + "/" + mesh steel grade
- Bent-up meshes → "Mesh bent" + mesh identifier + "/" + mesh steel grade

The program takes the necessary information from the catalog.

**NOTE:** Make sure the catalog does not include any wildcard characters such as "Steel\*".

You can now use the xml-ADS interface to transfer the concrete volume of concrete areas, for example. To do this, select the new parameters for "Slab", "Wall" and "iParts" in "Transfer concrete volume (gross volume of modeled parts) as an article data record" in the "Schedule defaults" for the xml-ADS interface.

The program then transfers the gross volume of the concrete grade for each layer. To calculate the volume, the program takes the volume of the polyhedron and adds or subtracts all modeled parts, also taking into account separate concrete areas. The program ignores the steel volume or fixtures you have not modeled.

You can now preset a schema file for the xml-ADS interface. To do this, enter the ETC path of the installation (ETC\Bft\_List\ads-XML.xsd and ETC\Bft\_List\kpr-XML.xsd) in the new "Schema definition Ads-xml" and "Schema definition Kpr-xml" entries on the "Ads-Xml interface" tab in "Schedule defaults | ADS interface".

**NOTE:** These fields are empty after an update. Output is compatible until you enter something.

Earlier versions saved the favorites for the "List Generator" to the "ListSelection.properties.dat" file in the folder with your own CAD documents (..\Usr\Local). Consequently, each user had to create his or her own favorites or users had to exchange the favorites between each other.

The program now writes new favorites to the "ListFavorites.Directory.dat" file in the folder of the office standard (..\STD\BFT\_List). The old favorites stay where they are, that is to say, in the folder with your own CAD documents (..\Usr\Local).

When you back up data in the "List Generator", the program now includes favorites and printer settings. When you restore a backup, the program asks you whether you want to load the favorites and printer settings.

We improved the internal Unitechnik drivers in various ways:

- The program now recalculates the mesh size and offset using the length before bending. Consequently, the program writes the developed length for the mesh size of bent meshes (for example, stirrup cages). Earlier versions simply used the envelope for the mesh size.
- When rounding up values for "Maximum element length in mm", "Zero offset of x-axis in mm" and "Maximum element width in mm", "Zero offset of y-axis in mm" in line 7 of "Element data - SLABDATE", the program now adjusts the values if the Unitechnik interface requires the values to be rounded up and the resulting total length or total width exceeds the maximum value by 1 mm.
- The internal Unitechnik drivers also take into account the "Apparent specific gravity of fresh concrete" and "Correction of concrete volume" parameters on the "Production" tab in "Catalogs | General | Concrete Grade Catalog".  
If the value you enter for "Apparent specific gravity of fresh concrete" is greater than 0, the Unitechnik interface uses this value instead of the normal value for the concrete grade in the "4.444" field in line 6 of the SLABDATE block.  
If the value you enter for "Correction of concrete volume" is in the range between 0 and 100, the Unitechnik interface reduces the concrete volume of the leaf by the percentage of this value, outputting the result in the "5555.5" field in line 6 of the SLABDATE block.

We adjusted the rounding methods for the "Single slab panel schedule 2" and "ADS interface KSTP" lists so that these lists no longer produce different results.

### Formwork:

The "Modify Joint" tool offers the new "Perpendicular" option you can use to smooth warped surfaces at the front sides of shuttering boards. For example, you can find warped surfaces in the areas of stair stringers.

Select the formwork element. The program highlights the points of the selected element in the following colors:

- Green → positive edge
- Magenta → negative edge
- Blue → modified edge

You can select one or more symbols. The program recreates the corresponding shuttering boards.

By selecting the blue symbol, you can restore a modified edge to its original state.

The "Write to file" parameter offers the new "Project" option. When you select this option, the program writes the production data to the current project. Click "Folder" to select any other subfolder. The program remembers the subfolder you select. If there is a corresponding subfolder in any other project, the program also uses this subfolder.

You can now configure any number of lines in the "Overview file" in csv format (..\Std\bft\_list\FormbauProdData\_Overview.csv). The program uses these lines to transfer values of attributes.

### International versions:

We adjusted the dialog boxes in the "Formwork" module for various languages.

The English version now calculates connecting elements for the "Kappema" and "Kappema earthquake resistance" options for walls created with the "Wall Element Design" tool.

## Hotfix TIM 2016-1-2

Version: 2016.1.2.513358114  
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You can only use this version if you have installed DVD number 02-02-11-15-FTW (TIM 2016-1) or DVD number 03-02-02-16-FTW (TIM 2016-1-1)!

Possible initial versions: TIM 2016-1-1 or TIM 2016-1.

### How to download the installation file:

<http://precast-software.com/service/download.php> > Software > TIM 1/2/2016  
Download file: TIM-Update\_2016-1-2.zip

### How to install:

1. We recommend backing up the data before you start installing.
2. Check that your computer is running TIM 2016-1-1 or TIM 2016-1.
3. Exit TIM 2016-1-1 or TIM 2016-1 and start the TIM2016.exe file.  
Do this for every computer running TIM 2016-1-1 or TIM 2016-1.
4. Follow the instructions displayed on screen.

If you want to update an older TIM version, please contact Technical Support.

### Where to turn for support:

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This hotfix includes the following features:

#### General:

We improved and increased the performance and stability of the program.

We introduced a new login system: there is only one database user for all TIM users. You can define a second database user with advanced rights for maintenance work. This increases maintainability and security.

We improved the process of exporting and importing projects: you can now export and reimport very large projects quickly and easily.

#### mTIM:

The mobile solution for TIM now provides building graphics. Consequently, you can graphically display building data and status information on all mobile devices supported.