

Available functionalities

Advance Concrete 2012 Packages

	Standard	Professional	Premium
MODELING			
• 2D / 3D modeling	✓	✓	✓
• Structural elements: Column, Beam, Slab, Isolated footing, Continuous footing, Pile	✓	✓	✓
• Structural elements: Stairs, Roofs	✓	✓	✓
• Slabs, walls and beam openings	✓	✓	✓
• Automatically create footings adapted for every structural element	✓	✓	✓
• Converting ACIS solids into Advance Concrete elements		✓	✓
• Converting Advance Concrete elements into ACIS solids		✓	✓
• Export the structure in the AutoCAD® DWG format with ACIS elements		✓	✓
• Converting ADT entities into Advance structural elements	✓	✓	✓
• Converting AutoCAD® 2D entities from the architectural drawing into Advance structural elements	✓	✓	✓
• Layer naming standards definition	✓	✓	✓
MATERIAL AND SECTION LIBRARIES			
• Various concrete, masonry and full bricks materials	✓	✓	✓
• Parametric sections	✓	✓	✓
• Sections from libraries: AISC, OTUA, Euro Profile	✓	✓	✓
• Possibility to create user sections	✓	✓	✓
AUTOMATIC VIEW CREATION			
• Formwork drawings	✓	✓	✓
• Elevations	✓	✓	✓
• Cross sections	✓	✓	✓
• Isometric views	✓	✓	✓
• Automatic labeling	✓	✓	✓
• Dimensioning drawings	✓	✓	✓
• Copying the dimensions and labels from one drawing to another	✓	✓	✓
• AutoCAD® dynamic blocks for additional details on drawings	✓	✓	✓
• Export documents and drawings to DWG	✓	✓	✓
REINFORCEMENT DRAWING CREATION			
• Manual reinforcement (stirrups, straight bars, polygonal bars, meshes)		✓	✓
• Manual reinforcement using shape codes according to standards		✓	✓
• Automatic shape code recognition for reinforcement bars		✓	✓
• Automatic distribution of meshes on surfaces		✓	✓
• Meshes: stock cutting optimization		✓	✓
• Management of bar and mesh symbols		✓	✓
• Management of bending details		✓	✓
• Automatic reinforcement styles		✓	✓
• Dynamic reinforcement		✓	✓
• Defining dynamic reinforcement solutions		✓	✓
• Reinforcement 3D viewer (preview)		✓	✓
• Collisions detection for bars and meshes		✓	✓
• Generate new sections and elevations on detailed reinforcement (3D Power)		✓	✓
• Automatic creation of reinforcement symbols and bending details		✓	✓
• Mesh and bar schedules		✓	✓
• Import reinforcement drawings from Arche Reinforcement		✓	✓
DOCUMENTS			
• Arranging drawings on layouts	✓	✓	✓
• Adding frame and title block	✓	✓	✓
• BOM creation for concrete volume and formwork area	✓	✓	✓
• View, sort and filter materials from drawings or from structural elements			✓
• Compare the estimated rebar weight with the detailed bar weight			✓
• Material orders management. The ordered bars and meshes are locked and can no longer be modified.			✓
INTEROPERABILITY			
• BIM synchronization with GRAITEC compatible software	✓	✓	✓
• IFC 2x3 export / import	✓	✓	✓
• Export 3D reinforcement to DWF		✓	✓
• Exporting material lists in NC files: aSa, Soule and SteelPAC			✓
• Export material lists to XLS and DOC format			✓
MULTI USER			
• Possibility for several users to work together at the same time to create a model.			✓

DISTRIBUIDOR NACIONAL EXCLUSIVO

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