

Candidate Application Information sheet

Certification Date 2001-05-23

Application Name and Version

ArchiCAD 6.5/7.0

Software Company & Contact info

Graphisoft R&D

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Availability

Commercially available

Application Description

Architectural CAD

View

Architectural design → Quantities take off

Architectural design → Thermal load calculations / HVAC system design

CAD / Visualization.

IFC Implementation Type

Read/Write

IFC Data Import

Containment and grouping:	Containment, Referencing, Grouping
Units and measure:	Units [metric]
Spatial model:	Building, Building storey, Project, Site, Space, Space boundary,
Building elements:	Beam, Column, Electrical appliance, Floor slab, Furniture, Opening element, Proxy [product with geometry], Roof slab, Simple door, Simple window, Wall
Building materials:	Layered structure (material layers)
Actors:	Actor role, Address, Organization, Owner history, Person
Properties and PropertySets:	
- Common properties:	beam, column, door, slab, wall, window
- Dynamic property assignment,	Extension PropertySet, Hardware group
- Simple property,	
Geometry:	2D boundary: arbitrary, 2D geometry, 2D placement, 3D placement, Absolute placement, Bounding box geometry, Brep geometry, Circle, Clipping half space Composite curve, Constrained placement, Ellipse
- Extruded solid:	{ arbitrary, circular, rectangular, } { [clipped] [slanted] } rectangular curved { [clipped] }
- Geometric representation:	Line, Polyline,
- Profile:	arbitrary, circular, curved, rectangular
- Relative placement	
- Revolved solid:	rectangular, rectangular clipped
Relationships:	Element to space boundary connection, Fills element , Voids element, Logical wall to wall connection
Other:	Design grid

IFC Data Export (if relevant)

The same as we specified for input.

Other**Limitations:**

The model must fit into the memory of the computer in use.

Assets and HVAC elements are out of scope both for input and output. Objects that have a 3D representation can be shown in 3D view, but their properties can not be accessed/manipulated.