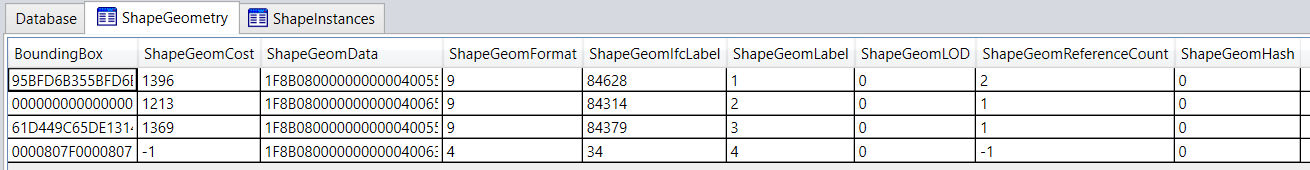
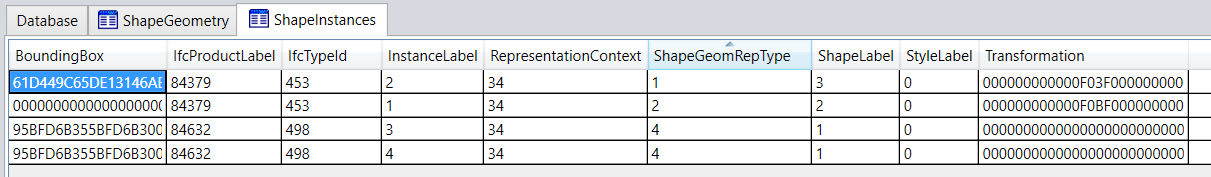
# ShapeGeometry



|  |  |
| --- | --- |
| BoundingBox |  |
| ShapeGeomCost |  |
| ShapeGeomData |  |
| ShapeGeomFormat | XbimGeometryType  Undefined = 0x0,  BoundingBox = 0x01,  MultipleBoundingBox = 0x02,  TriangulatedMesh = 0x03,  /// Regions (clusters of elements in a model) are stored for the project in one database row.  /// Use XbimRegionCollection.FromArray(ShapeData) for deserialising.  Region = 0x4,  /// For products with no geometry use TransformOnly to store the transform matrix associated with the placement.  TransformOnly = 0x5,  /// 128 bit hash of a geometry  TriangulatedMeshHash = 0x6,  /// The xBIM variant of the PLY format, a set of nominally planar polygons, stored in ascii format  Polyhedron = 0x7,  /// A triangulated Polyhedron mesh  TriangulatedPolyhedron = 0x8,  /// The xBIM variant of the PLY format, a set of nominally planar polygons but stored in binary format  PolyhedronBinary = 0x9, |
| ShapeGeomIfcLabel | Points to a IfcGeometricRepresentationItem |
| ShapeGeomLabel |  |
| ShapeGeomLOD |  |
| ShapeGeomReferenceCount |  |
| ShapeGeomHash |  |

# ShapeInstences



|  |  |
| --- | --- |
| BoundingBox |  |
| IfcProductLabel |  |
| IfcTypeId |  |
| InstanceLabel |  |
| RepresentationContext | EntityLabel of the IFC context |
| ShapeGeomRepType | Enum XbimGeometryRepresentationType  /// boolean operations with voids and extensions are included in the resulting representation  OpeningsAndAdditionsIncluded = 1,  /// boolean operations with voids and extensions are excluded in the resulting representation  OpeningsAndAdditionsExcluded = 2,  /// representation of voids and extensions only  OpeningsAndAdditionsOnly = 4 |
| ShapeLabel | Pointer to ShapeGeometry.ShapeGeomLabel |
| StyleLabel |  |
| Transformation |  |