

Sink

A sanitary terminal is a fixed appliance or terminal usually supplied with water and used for drinking, cleaning or foul water disposal.

A sink is a sanitary terminal waste water appliance for receiving, retaining or disposing of domestic, culinary, laboratory or industrial process liquids.

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|------------------------------|---------------------|----------------|
| IfcElementType | IfcSanitaryTerminal | =IfcExportAs |
| IfcPredefinedType | SINK | =IfcExportType |
| Suggested Filename: | Sink | |
| Suggested LOD (Design Model) | 300 | |
| Suggested Primary Discipline | Plumbing, Interiors | |

Source

Property Categories

Classification

| | | | |
|--------------|-----------------------------|---------------------------------|--|
| BIM Forum | Admin data | Masterformat | 22 42 16 16 : Commercial Sinks |
| COBie | Code compliance data | | 22 43 16 : Healthcare Sinks |
| IFC 2x3 | Construction logistics data | | 22 46 16 16 : Security Sinks |
| IFC4 Add2 | Cost data | | 22 41 16 19 : Residential Sinks |
| NATSPEC BIM | Facilities management data | NatspecWorksection | 0811 Sanitary fixtures |
| NATSPEC Spec | Geometric data | Omniclass Table 21 Elements | 21-04 20 20 10 : Sanitary Sewerage Equipment |
| | Manufacturer data | | |
| | Scheduling data | Omniclass Table 22 Work Results | 22-22 41 16 19 : Residential Sinks |
| | Spatial and location data | | 22-22 42 16 16 : Commercial Sinks |
| | Specification data | | 22-22 43 16 : Healthcare Sinks |
| | Sustainability data | | 22-22 46 16 16 : Security Sinks |
| | | Omniclass Table 23 Products | 23-31 13 00 : Sinks |
| | | Uniclass Elements | EF_40_20 : Fittings |
| | | Uniclass Products | Pr_40_20_96 : Wash basins, sinks and troughs |

Uniclass Systems

Ss_40_15_75_80 : Sink systems

Unifomat

D2020.10 : Sanitary Sewerage Equipment

| Property | Source | Description |
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| Admin data | | |
| CreatedBy | NATSPEC BIM | The name of the person, organisation or library provider that created the object. |
| CreatedByURL | NATSPEC BIM | URL hyperlink to the object creator's website. |
| ModifiedIssue | NATSPEC BIM | To record the last date of issue (version or revision) of the object within an object library. Add the date in the following format <yyyymmdd.no> where the 'no' suffix is equal to the number of times the object has been issued on that date. For example 20180316.01. |
| Reference | PSet_SanitaryTerminalTypeCommon (IFC4) | Reference ID for a specified type in a project (e.g. type 'A-1'). Also known as Construction type. Provide as an alternative to the name of the object type, if software does not support object types. |
| Code compliance data | | |
| FireRating | NATSPEC BIM | Fire rating of object. Also known as the FRL (Fire Resistance Level) e.g. 60/60/60. |
| Construction logistics data | | |
| ConstructionMethod | NATSPEC BIM | |
| GrossWeight | Qto_SanitaryTerminalBaseQuantities (IFC4)NATSPEC BIM | |
| ShippingWeight | NATSPEC BIM | |
| Status | BIM Forum PSet_SanitaryTerminalTypeCommon (IFC4) | Status of the object, predominately used in renovation or retrofitting projects. Complete value with: NEW, EXISTING, DEMOLISH, TEMPORARY, OTHER, NOTKNOWN or UNSET |
| StoragePlacementOnSite | NATSPEC BIM | |

| Cost data | | |
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| AdditionalTax | NATSPEC BIM | |
| AssemblyCost | NATSPEC BIM | |
| AssetAccountingType | Pset_Asset (IFC4)Pset_Asset (IFC2x3) | Asset type for accounting purposes. Complete value with: FIXED, NONFIXED, OTHER, NOTKNOWN or UNSET (PEnum_AssetAccountingType) |
| AssetInsuranceType | Pset_Asset (IFC4)Pset_Asset (IFC2x3) | Type of insurance rating. Complete value with: PERSONAL, REAL, OTHER, NOTKNOWN or UNSET (PEnum_AssetInsuranceType) |
| AssetTaxType | Pset_Asset (IFC4)Pset_Asset (IFC2x3) | Type of taxation group. Complete value with: CAPITALISED, EXPENDED, OTHER, NOTKNOWN or UNSET (PEnum_AssetTaxType) |
| ConceptualCost | NATSPEC BIM | |
| CostOverRun | NATSPEC BIM | |
| FutureCostAssumptions | NATSPEC BIM | |
| InstallationCost | NATSPEC BIM | |
| InstalledCost | NATSPEC BIM | |
| PurchaseInformation | NATSPEC BIM | |
| RecordedActualCost | NATSPEC BIM | |
| ShippingCost | NATSPEC BIM | |
| TotalOwnershipCost | NATSPEC BIM | |
| Facilities management data | | |
| AccessibilityPerformance | COBie_ElementTypeCOBie_Specification | Accessibility issue(s) that product satisfies. |

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| AcquisitionDate | Pset_ManufacturerOccurrence (IFC4) Pset_ManufacturerOccurrence (IFC2x3) | Date the item was purchased (Format: YYYY-MM-DD). |
| AssessmentCondition | NATSPEC BIM Pset_Condition (IFC4) | Overall condition rating based on assessment. Rating scale to be agreed prior (e.g. Good, OK , Poor). |
| AssessmentDate | Pset_Condition (IFC4) | Date of overall condition assessment (Format: YYYY-MM-DD). |
| AssessmentDescription | Pset_Condition (IFC4) | Qualitative description of the condition. |
| AssetIdentifier | COBie_Component | Alternative identifier for specific component, used as defined by contract. |
| AssetType | COBie_Asset COBie_ElementType | Complete value with: 'Fixed' or 'Movable' |
| Category | COBie | Classification code. |
| CodePerformance | COBie_ElementType COBie_Specification | Code compliance requirement(s) that product satisfies. |
| ComponentID | BIM Forum NATSPEC BIM | |
| Constituents | COBie_ElementType COBie_Specification | Details of various parts of the object. |
| Description | COBie | Concise description of the object. |
| DurationUnit | COBie | Units used to record expected life duration. Typically 'year'. |
| Exclusions | Pset_Warranty (IFC4) Pset_Warranty (IFC2x3) | Items, conditions or actions that may be excluded from the warranty or that may cause the warranty to become void. |
| ExpectedLife | NATSPEC BIM COBie | Expected serviceable life of object. |
| Features | COBie_ElementType COBie_Specification | Primary features or important characteristics of the product. |
| Grade | COBie_ElementType COBie_Specification | Standard grading(s) to which the product corresponds. |
| InstallationDate | NATSPEC BIM COBie_Component | Format: YYYY-MM-DD. |
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| IsExtendedWarranty | Pset_Warranty (IFC4) Pset_Warranty (IFC2x3) | Complete value with: TRUE or FALSE (IfcBoolean) |
| ModelNumber | COBie | Model number or designator of the product model (or product line) as assigned by the manufacturer. |
| Name | COBie | Unique human readable name for object type. |
| ReplacementCost | NATSPEC BIM COBie_EconomicImpactValues COBie_ElementType | Cost to replace product. |
| Shape | COBie_ElementType COBie_Specification | Characteristic shape of the object. e.g. Square. |
| SustainabilityPerformance | COBie_ElementType COBie_Specification | Sustainability issue(s) that product satisfies. |
| TagNumber | COBie_Component | Tag number for product or equipment at installation. |
| WarrantyContent | NATSPEC BIM Pset_Warranty (IFC4) Pset_Warranty (IFC2x3) | Description of what is included in warranty. |
| WarrantyDescription | COBie_Warranty | Concise description of warranty content and any items, conditions or actions that are excluded from warranty or that will cause the warranty to become void. |
| WarrantyDurationLabor | COBie_Warranty | Duration of labour warranty. |
| WarrantyDurationParts | COBie_Warranty | Duration of parts warranty. |
| WarrantyDurationUnit | COBie | Units used to record warranty durations. Typically 'year'. |
| WarrantyEndDate | NATSPEC BIM Pset_Warranty (IFC4) Pset_Warranty (IFC2x3) | Format: YYYY-MM-DD. |
| WarrantyGuarantorLabor | COBie_Warranty | email address for organisation responsible for labour warranty. |
| WarrantyGuarantorParts | COBie_Warranty | email address for organisation responsible for parts warranty. |
| | Pset_Warranty (IFC4) Pset_Warranty | |

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| WarrantyIdentifier | (IFC2x3) | Identifier assigned to warranty. |
| WarrantyPeriod | Pset_Warranty (IFC4) Pset_Warranty (IFC2x3) | |
| WarrantyStartDate | NATSPEC BIM COBie_Component Pset_Warranty (IFC4) Pset_Warranty (IFC2x3) | Format: YYYY-MM-DD. |
| Geometric data | | |
| Capacity | NATSPEC BIM | |
| DrainSize | BIM Forum PSet_SanitaryTerminalTypeSink (IFC4) PSet_SanitaryTerminalTypeSink (IFC2x3) | Size of drain outlet connection from object. |
| GrossVolume | NATSPEC BIM | |
| Height | NATSPEC Spec | |
| MountingOffset | BIM Forum PSet_SanitaryTerminalTypeSink (IFC4) | For counter top mounted sinks. Vertical offset between top of the sink and counter top. |
| NominalDepth | BIM Forum NATSPEC BIM PSet_SanitaryTerminalTypeCommon (IFC4) NATSPEC Spec PSet_SanitaryTerminalTypeSink (IFC2x3) | |
| NominalHeight | COBie_ElementType COBie_Specification | Typically the vertical characteristic dimension of the object. |
| NominalLength | BIM Forum NATSPEC BIM COBie_ElementType COBie_Specification PSet_SanitaryTerminalTypeCommon (IFC4) NATSPEC Spec PSet_SanitaryTerminalTypeSink (IFC2x3) | Typically the primary or larger of the two perpendicular horizontal dimensions of the object. |
| NominalWidth | BIM Forum NATSPEC BIM COBie_ElementType COBie_Specification PSet_SanitaryTerminalTypeCommon | Typically the secondary or smaller of the two perpendicular |

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| | (IFC4)NATSPEC Spec PSet_SanitaryTerminalTypeSink (IFC2x3) | horizontal dimensions of the object. |
| Size | NATSPEC BIMCOBie_ElementType COBie_SpecificationNATSPEC Spec | |
| Manufacturer data | | |
| Accessories | NATSPEC BIM | Details of available accessories. |
| ArticleNumber | Pset_ManufacturerTypeInformation (IFC4) Pset_ManufacturerTypeInformation (IFC2x3) | Reference applied to product, according to scheme for article number definition defined by manufacturer. Often used as purchasing number. |
| AssemblyPlace | NATSPEC BIM Pset_ManufacturerTypeInformation (IFC4) | Defines where assembly is to take place. Complete value with: SITE, FACTORY or NOTDEFINED (IfcAssemblyPlaceEnum) |
| Availability | NATSPEC BIM | |
| BarCode | COBiePset_ManufacturerOccurrence (IFC4) Pset_ManufacturerOccurrence (IFC2x3) | Bar code given to occurrence of the product. |
| BatchReference | Pset_ManufacturerOccurrence (IFC4) Pset_ManufacturerOccurrence (IFC2x3) | Identity of the batch from which the occurrence of the product is taken. |
| Defects | NATSPEC BIM | To record any defects found. |
| GlobalTradeItemNumber | Pset_ManufacturerTypeInformation (IFC4) | GTIN is an identifier for trade items developed by GS1 (www.gs1.org). |
| Manufacturer | BIM ForumCOBieNATSPEC BIM Pset_ManufacturerTypeInformation (IFC4) NATSPEC Spec Pset_ManufacturerTypeInformation (IFC2x3) | Name of the manufacturer (or assembler). |
| ManufacturerURL | NATSPEC BIM | URL hyperlink to the manufacturer's website. |

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| ModelLabel | BIM Forum Pset_ManufacturerTypeInformation (IFC4) NATSPEC BIM | The descriptive model name of the product model (or product line) as assigned by the manufacturer of the manufactured item. |
| ModelLabel | Pset_ManufacturerTypeInformation (IFC2x3) | The model number and/or unit designator assigned by the manufacturer of the manufactured item. |
| ModelReference | BIM Forum Pset_ManufacturerTypeInformation (IFC4) NATSPEC BIMNATSPEC Spec | The model number or designator of the product model (or product line) as assigned by the manufacturer of the manufactured item. |
| ModelReference | Pset_ManufacturerTypeInformation (IFC2x3) | The name of the manufactured item as used by the manufacturer. |
| OrderNumber | NATSPEC BIM | |
| PointOfContact | Pset_Warranty (IFC4)Pset_Warranty (IFC2x3) | Organization that should be contacted for action under the terms of the warranty. |
| ProductInformation | NATSPEC BIM | A valid URL hyperlink to further product information, such as technical documentation, installation guides, etc. |
| ProductType | NATSPEC BIM | |
| ProductionYear | Pset_ManufacturerTypeInformation (IFC4) NATSPEC BIM Pset_ManufacturerTypeInformation (IFC2x3) | |
| SerialNumber | COBiePset_ManufacturerOccurrence (IFC4)NATSPEC BIM Pset_ManufacturerOccurrence (IFC2x3) | Serial number assigned to an occurrence of a product. |
| Scheduling data | | |
| DeliverBy | NATSPEC BIM | |
| FabricationTime | NATSPEC BIM | |
| InstallationSequence | NATSPEC BIM | |

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| InstallationTime | NATSPEC BIM | |
| LeadTime | NATSPEC BIM | |
| Spatial and location data | | |
| FloorID | NATSPEC BIM | |
| GISTag | NATSPEC BIM | |
| GPSTag | NATSPEC BIM | |
| SpaceID | BIM ForumNATSPEC BIM | |
| StoryNumber | BIM Forum | |
| Specification data | | |
| Color | BIM ForumCOBie_ElementType COBie_Specification PSet_SanitaryTerminalTypeCommon (IFC4)NATSPEC Spec PSet_SanitaryTerminalTypeSink (IFC2x3) | |
| Finish | COBie_ElementTypeCOBie_Specification NATSPEC BIM | Specification of surface finish. |
| Material | NATSPEC BIMCOBie_ElementType COBie_SpecificationNATSPEC Spec PSet_SanitaryTerminalTypeSink (IFC2x3) | |
| Mounting | BIM Forum PSet_SanitaryTerminalTypeSink (IFC4) NATSPEC Spec | Defines the form of mounting or fixing. Complete value with: BACKTOWALL, PEDESTAL, COUNTERTOP, WALLHUNG, OTHER, NOTKNOWN or UNSET (PEnum_SanitaryMounting) |
| Overflow | NATSPEC Spec | |
| SinkMounting | PSet_SanitaryTerminalTypeSink (IFC2x3) | |

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| SinkType | BIM Forum PSet_SanitaryTerminalTypeSink (IFC4) PSet_SanitaryTerminalTypeSink (IFC2x3) | Complete value with: BELFAST, BUCKET, CLEANERS, COMBINATION_LEFT, COMBINATION_RIGHT, COMBINATION_DOUBLE, DRIP, LABORATORY, LONDON, PLASTER, POT, RINSING, SHELF, VEGETABLEPREPARATION, OTHER, NOTKNOWN or UNSET (PEnum_SinkType) |
| SpecificationCode | NATSPEC BIM | |
| SpecificationSystem | NATSPEC BIM | |
| SpecificationTitle | NATSPEC BIM | |
| TapHoles | NATSPEC Spec | |
| Sustainability data | | |
| CarbonFootprint | NATSPEC BIM | |
| ItemIsNew | NATSPEC BIM | |
| ItemIsPartiallyRecycled | NATSPEC BIM | |
| ItemIsRecycled | NATSPEC BIM | |
| PostConsumerRecycledContent | NATSPEC BIM | |
| PostIndustrialRecycledContent | NATSPEC BIM | |
| PreConsumerRecycledContent | NATSPEC BIM | |
| RecycledContent | NATSPEC BIM | |