

Curtain wall

A curtain wall is an exterior wall of a building which is an assembly of components, hung from the edge of the floor/roof structure rather than bearing on a floor.

IfcElementType	IfcCurtainWall	=IfcExportAs
IfcPredefinedType	NOTDEFINED	=IfcExportType
Suggested Filename:	CurtainWall	
Suggested LOD (Design Model)	300	
Suggested Primary Discipline	Architectural	

Source

Property Categories

Classification

BIM Forum
IFC 2x3
IFC4 Add2
NATSPEC BIM
NATSPEC Spec

Admin data
Code compliance data
Construction logistics data
Cost data
Facilities management data
Geometric data
Manufacturer data
Performance data
Scheduling data
Spatial and location data
Specification data
Sustainability data

Masterformat	08 44 00 : Curtain Wall and Glazed Assemblies
NatspecWorksection	0432 Curtain walls
Omniclass Table 21 Elements	21-02 20 10 40 : Fabricated Exterior Wall Assemblies
Omniclass Table 22 Work Results	22-08 44 00 : Curtain Wall and Glazed Assemblies
Omniclass Table 23 Products	23-13 33 19 11 : Cladding and Curtainwall Panels
	23-13 33 27 11 : Curtain Walls
Uniclass Elements	EF_25_10 : Walls
Uniclass Systems	Ss_25_10_20 : Curtain walling systems
Uniformat	B2010.40 : Fabricated Exterior Wall Assemblies

Property	Source	Description
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_CurtainWallCommon (IFC4) PSet_CurtainWallCommon (IFC2x3)	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		
EgressHeight	NATSPEC BIM	
EgressRequirement	NATSPEC BIM	
EgressWidth	NATSPEC BIM	
FireGroupNumber	NATSPEC Spec	As per NCC in Australia.
FireRating	BIM ForumNATSPEC BIM PSet_CurtainWallCommon (IFC4) NATSPEC Spec PSet_CurtainWallCommon (IFC2x3)	Fire rating of object. Also known as the FRL (Fire Resistance Level) e.g. 60/60/60.
SmokeDevelopedIndex	NATSPEC Spec	As per NCC in Australia.
SurfaceSpreadOfFlame	PSet_CurtainWallCommon (IFC4) NATSPEC Spec PSet_CurtainWallCommon (IFC2x3)	Indication of how flames spread around surface, according to the applicable building code.

Construction logistics data		
Construction	BIM Forum	
ConstructionMethod	NATSPEC BIM	
GrossWeight	NATSPEC BIM	
ShippingWeight	NATSPEC BIM	
Status	PSet_CurtainWallCommon (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		
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		
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.
ComponentID	NATSPEC BIM	
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	Expected serviceable life of object.
InstallationDate	NATSPEC BIM	Format: YYYY-MM-DD.
IsExtendedWarranty	Pset_Warranty (IFC4) Pset_Warranty (IFC2x3)	Complete value with: TRUE or FALSE (IfcBoolean)
ReplacementCost	NATSPEC BIM	Cost to replace product.

WarrantyContent	NATSPEC BIM Pset_Warranty (IFC4) Pset_Warranty (IFC2x3)	Description of what is included in warranty.
WarrantyEndDate	NATSPEC BIM Pset_Warranty (IFC4) Pset_Warranty (IFC2x3)	Format: YYYY-MM-DD.
WarrantyIdentifier	Pset_Warranty (IFC4) Pset_Warranty (IFC2x3)	Identifier assigned to warranty.
WarrantyPeriod	Pset_Warranty (IFC4) Pset_Warranty (IFC2x3)	
WarrantyStartDate	NATSPEC BIM Pset_Warranty (IFC4) Pset_Warranty (IFC2x3)	Format: YYYY-MM-DD.
Geometric data		
Area	NATSPEC BIM	
CoreThickness	NATSPEC Spec	
CrossSectionArea	NATSPEC BIM	
FacingThickness	NATSPEC Spec	
GlassThickness	NATSPEC BIM NATSPEC Spec	
GrossSideArea	Qto_CurtainWallQuantities (IFC4)	
Height	NATSPEC BIM Qto_CurtainWallQuantities (IFC4)	
Length	NATSPEC BIM Qto_CurtainWallQuantities (IFC4)	
MullionThickness	NATSPEC BIM	
MullionWidth	NATSPEC BIM	
NetSideArea	Qto_CurtainWallQuantities (IFC4)	Takes all openings or recesses into account.

Thickness	NATSPEC BIM NATSPEC Spec	
Width	NATSPEC BIM Qto_CurtainWallQuantities (IFC4)	
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	Pset_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	NATSPEC 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.
	Pset_ManufacturerTypeInformation (IFC4)	The descriptive model name of the product model (or product

ModelLabel	NATSPEC BIM	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	Pset_ManufacturerTypeInformation (IFC4) NATSPEC BIM NATSPEC 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.
ProductionYear	Pset_ManufacturerTypeInformation (IFC4) NATSPEC BIM Pset_ManufacturerTypeInformation (IFC2x3)	
SerialNumber	Pset_ManufacturerOccurrence (IFC4) NATSPEC BIM Pset_ManufacturerOccurrence (IFC2x3)	Serial number assigned to an occurrence of a product.
Performance data		
AcousticRating	BIM Forum NATSPEC BIM PSet_CurtainWallCommon (IFC4) PSet_CurtainWallCommon (IFC2x3)	Acoustic rating for the object. Indicates the sound transmission resistance of the object by an index ratio.
CondensationResistance	BIM Forum	
Deflection	NATSPEC BIM	
Infiltration	BIM Forum NATSPEC BIM	Infiltration flowrate.

PowderCoatAluminiumPerformance	NATSPEC Spec	
RValue	BIM ForumNATSPEC BIM	
RValuePanel	NATSPEC Spec	
SolarHeatGainCoefficient	NATSPEC Spec	
ThermalTransmittance	NATSPEC BIM PSet_CurtainWallCommon (IFC4) PSet_CurtainWallCommon (IFC2x3)	Thermal transmittance coefficient (U-Value).
ThermalTransmittanceGlass	NATSPEC Spec	Thermal transmittance coefficient (U-Value).
ThermalTransmittanceNonGlass	NATSPEC Spec	Thermal transmittance coefficient (U-Value).
VisibleLightReflectanceExternal	NATSPEC Spec	Fraction of visible light reflected by glazing at normal incidence.
VisibleLightReflectanceInternal	NATSPEC Spec	Fraction of visible light reflected by glazing at normal incidence.
VisibleLightTransmittance	NATSPEC Spec	Fraction of visible light that passes through shading system at normal incidence.
WaterPenetrationResistance	BIM Forum	
WindLoadCapacity	NATSPEC BIM	
WindLoadCapacityDrag	BIM Forum	
WindLoadCapacityPressure	BIM Forum	
WindbourneDebrisResistance	BIM Forum	
Scheduling data		
DeliverBy	NATSPEC BIM	
FabricationTime	NATSPEC BIM	
InstallationSequence	NATSPEC BIM	

InstallationTime	NATSPEC BIM	
LeadTime	NATSPEC BIM	
Spatial and location data		
FloorID	NATSPEC BIM	
GISTag	NATSPEC BIM	
GPSTag	NATSPEC BIM	
SpaceID	NATSPEC BIM	
Specification data		
AluminiumFrameColour	NATSPEC Spec	
BackingFinish	NATSPEC Spec	
BackingMaterial	NATSPEC Spec	
BackingThickness	NATSPEC Spec	
BulletResistantGlazingClassification	BIM ForumNATSPEC Spec	
Coatings	BIM Forum	
Combustible	PSet_CurtainWallCommon (IFC4) NATSPEC Spec PSet_CurtainWallCommon (IFC2x3)	Is object made from combustible material. Complete value with: TRUE or FALSE (IfcBoolean)
CoreDensity	NATSPEC Spec	
CoreMaterial	NATSPEC Spec	
ExteriorFinish	NATSPEC BIM	
FacingFinish	NATSPEC Spec	

FacingMaterial	NATSPEC Spec	
FrameMaterial	NATSPEC BIM	
FrameStyle	NATSPEC BIM	
FrameThickness	NATSPEC BIM	
FrameWidth	NATSPEC BIM	
GlazingOpacity	NATSPEC Spec	
HardwareSet	NATSPEC BIM	
InteriorFinish	NATSPEC BIM	
IsExternal	PSet_CurtainWallCommon (IFC4) PSet_CurtainWallCommon (IFC2x3)	Complete value with: TRUE or FALSE (IfcBoolean)
Material	BIM ForumNATSPEC BIM	
MildSteelFinish	NATSPEC Spec	
MildSteelFinishColour	NATSPEC Spec	
MullionPosition	NATSPEC BIM	
NumberOfSashes	NATSPEC BIM	
OpeningDirection	NATSPEC BIM	
OtherCoreInterlayers	NATSPEC Spec	
PowderCoatAluminiumCategory	NATSPEC Spec	
PowderCoatAluminiumGlossLevel	NATSPEC Spec	
RadiationProtection	BIM Forum	

RoughOpening	NATSPEC BIM	
SillAngle	NATSPEC BIM	
SillDepth	NATSPEC BIM	
SillMaterial	NATSPEC BIM	
SpecificationCode	NATSPEC BIM	
SpecificationSystem	NATSPEC BIM	
SpecificationTitle	NATSPEC BIM	
StainlessSteelFinish	NATSPEC Spec	
StainlessSteelType	NATSPEC Spec	
StructuralSealant	NATSPEC Spec	
TotalGlassArea	NATSPEC BIM	
TransomIncluded	NATSPEC BIM	
TrimIncluded	NATSPEC BIM	
TrimMaterialInside	NATSPEC BIM	
TrimMaterialOutside	NATSPEC BIM	
WeatherSealant	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	