

Carpet

A covering is an element which covers some part of another element and is fully dependent on that other element.

Flooring is a covering used to finish the (usually horizontal) structural floor surface.

Carpet is a heavy woven fabric flooring material.

IfcElementType	IfcCovering	=IfcExportAs
IfcPredefinedType	FLOORING	=IfcExportType
Suggested Filename:	Flooring_Carpet	
Suggested LOD (Design Model)	200	
Suggested Primary Discipline	Interiors	

Source

Property Categories

Classification

COBie

Admin data

Masterformat

09 68 00 : Carpeting

IFC 2x3

Code compliance data

NatspecWorksection

0652 Carpets

IFC4 Add2

Construction logistics data

Omniclass Table 21 Elements

21-03 20 30 75 : Carpeting

NATSPEC BIM

Cost data

21-03 20 40 75 : Carpeted Stair Finish

NATSPEC Spec

Facilities management data

Omniclass Table 22 Work Results

22-09 68 00 : Carpeting

Geometric data

Omniclass Table 23 Products

23-15 17 17 : Carpet Flooring

Manufacturer data

Uniclass Elements

EF_30_20 : Floors

Performance data

Uniclass Products

Pr_35_57_11 : Carpets, carpet tiles, underlays and mats

Scheduling data

Uniclass Systems

Ss_30_42_72_05 : Adhesive-fixed rolled carpet systems

Spatial and location data

Ss_30_42_72_10 : Carpet tile systems

Specification data

Ss_30_42_72_25 : Edge-fixed carpet systems

Sustainability data

Unifomat

C2030.75 : Carpeting

C2040.75 : Carpeted Stair Finish

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_CoveringCommon (IFC4) PSet_CoveringCommon (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		
CriticalRadiantFlux	NATSPEC Spec	As per NCC in Australia.
FireMitigation	NATSPEC BIM	
FireRating	NATSPEC BIM PSet_CoveringCommon (IFC4) PSet_CoveringCommon (IFC2x3)	Fire rating of object. Also known as the FRL (Fire Resistance Level) e.g. 60/60/60.
FlammabilityRating	PSet_CoveringCommon (IFC4) PSet_CoveringCommon (IFC2x3)	Flammability Rating of object. Also known as Flammability index.
FloorAreaPerOccupant	NATSPEC BIM	
SurfaceSpreadOfFlame	PSet_CoveringCommon (IFC4) PSet_CoveringCommon (IFC2x3)	Indication of how flames spread around surface, according to the applicable building code.
Construction logistics data		
ConstructionMethod	NATSPEC BIM	

GrossWeight	NATSPEC BIM	
ShippingWeight	NATSPEC BIM	
Status	PSet_CoveringCommon (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		
AccessibilityPerformance	COBie_ElementTypeCOBie_Specification	Accessibility issue(s) that product satisfies.
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_AssetCOBie_ElementType	Complete value with: 'Fixed' or 'Movable'
Category	COBie	Classification code.
CodePerformance	COBie_ElementTypeCOBie_Specification	Code compliance requirement(s) that product satisfies.
ComponentID	NATSPEC BIM	
Constituents	COBie_ElementTypeCOBie_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.
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.
WarrantyIdentifier	Pset_Warranty (IFC4)Pset_Warranty (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		
GrossArea	Qto_CoveringBaseQuantities (IFC4) NATSPEC BIM	
Length	NATSPEC BIM	
NetArea	Qto_CoveringBaseQuantities (IFC4)	Takes all openings into account.
NominalHeight	COBie_ElementTypeCOBie_Specification	Typically the vertical characteristic dimension of the object.
NominalLength	COBie_ElementTypeCOBie_Specification	Typically the primary or larger of the two perpendicular horizontal dimensions of the object.
NominalWidth	COBie_ElementTypeCOBie_Specification	Typically the secondary or smaller of the two perpendicular horizontal dimensions of the object.
Size	COBie_ElementTypeCOBie_Specification	
Thickness	NATSPEC SpecNATSPEC BIM	

TileLength	NATSPEC Spec	
TileWidth	NATSPEC Spec	
TotalThickness	PSet_CoveringCommon (IFC2x3)	
Width	NATSPEC BIM Qto_CoveringBaseQuantities (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	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	COBieNATSPEC 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.
ModelLabel	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	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.
ProductType	NATSPEC BIM NATSPEC Spec	
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.
Performance data		
AcousticRating	NATSPEC BIM Pset_CoveringCommon (IFC4) Pset_CoveringCommon (IFC2x3)	Acoustic rating for the object. Indicates the sound transmission resistance of the object by an index ratio.
DeadLoad	NATSPEC BIM	

LiveLoad	NATSPEC BIM	
RValue	NATSPEC BIM	
RadiantHeatingOutput	NATSPEC BIM	
RadiantHeatingRequirement	NATSPEC BIM	
RadiationResistance	NATSPEC BIM	
TemperatureRangeRequirement	NATSPEC BIM	
ThermalTransmittance	NATSPEC BIM PSet_CoveringCommon (IFC4)	Thermal transmittance coefficient (U-Value).
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		
Backing	NATSPEC Spec	

Color	COBie_ElementTypeCOBie_Specification	
Combustible	PSet_CoveringCommon (IFC4) PSet_CoveringCommon (IFC2x3)	Is object made from combustible material. Complete value with: TRUE or FALSE (IfcBoolean)
Finish	NATSPEC BIMCOBie_ElementType COBie_Specification PSet_CoveringCommon (IFC4) PSet_CoveringCommon (IFC2x3)	Specification of surface finish.
FragilityRating	PSet_CoveringCommon (IFC4) PSet_CoveringCommon (IFC2x3)	
HasAntiStaticSurface	PSet_CoveringFlooring (IFC4) PSet_CoveringFlooring (IFC2x3)	Complete value with: TRUE or FALSE (IfcBoolean)
HasNonSkidSurface	PSet_CoveringFlooring (IFC4) PSet_CoveringFlooring (IFC2x3)	Complete value with: TRUE or FALSE (IfcBoolean)
IsExternal	PSet_CoveringCommon (IFC4)	Complete value with: TRUE or FALSE (IfcBoolean)
Material	NATSPEC BIMCOBie_ElementType COBie_Specification PSet_CoveringCommon (IFC2x3)	
SpecificationCode	NATSPEC BIM	
SpecificationSystem	NATSPEC BIM	
SpecificationTitle	NATSPEC BIM	
Underlay	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	