

# Circular Economy Ontology Network (CEON) - Construction Module

## Metadata

### IRI

<http://w3id.org/CEON/demo/construction/>

### Title

Circular Economy Ontology Network (CEON) - Construction Module

### Creator

Huanyu Li

### Contributor

Eva Blomqvist

Huanyu Li

### Date Created

2025-03-18

### License

<https://creativecommons.org/licenses/by/4.0/>

### Version Iri

<http://w3id.org/CEON/demo/construction/0.2/>

### Version Info

0.2

### Preferred Namespace Prefix

construction

### Preferred Namespace Uri

<http://w3id.org/CEON/demo/construction/>

### Description

The construction use case ontology in Onto-DESIDE, as a module of CEON.

## Classes

Quantity <sup>c</sup>	
IRI	<a href="http://qudt.org/schema/qudt/Quantity">http://qudt.org/schema/qudt/Quantity</a>
Super Class Of	<a href="#">ConductivityProperty<sup>c</sup></a> <a href="#">FloorPanelHeightProperty<sup>c</sup></a> <a href="#">FloorPanelLengthFloorProperty<sup>c</sup></a> <a href="#">FloorPanelWidthProperty<sup>c</sup></a> <a href="#">LifeCycleAssessmentImpact<sup>c</sup></a> <a href="#">MaximalDismantlingCostPerSqm<sup>c</sup></a> <a href="#">MinimalDismantlingCostPerSqm<sup>c</sup></a> <a href="#">PedestalHeightProperty<sup>c</sup></a> <a href="#">RecycledContent<sup>c</sup></a> <a href="#">RecyclingSeparabilityProperty<sup>c</sup></a> <a href="#">ResistanceToEarthProperty<sup>c</sup></a> <a href="#">ReuseDeconstructabilityProperty<sup>c</sup></a> <a href="#">SystemMaximalWeightProperty<sup>c</sup></a> <a href="#">SystemMinimalWeightProperty<sup>c</sup></a> <a href="#">SystemWeightProperty<sup>c</sup></a> <a href="#">ThicknessProperty<sup>c</sup></a>

## Quantity Value<sup>C</sup>

**IRI** <http://qudt.org/schema/qudt/QuantityValue>

### Super Class Of

[Conductivity<sup>C</sup>](#)  
[DismantlingCost<sup>C</sup>](#)  
[FloorPanelHeight<sup>C</sup>](#)  
[FloorPanelLength<sup>C</sup>](#)  
[FloorPanelWidth<sup>C</sup>](#)  
[GlobalWarmingPotential<sup>C</sup>](#)  
[LocalRecyclingPlantDistance<sup>C</sup>](#)  
[MarketValueForProduct<sup>C</sup>](#)  
[MaximalDismantlingCost<sup>C</sup>](#)  
[MaximalDismantlingCostPerSqm<sup>C</sup>](#)  
[MinimalDismantlingCost<sup>C</sup>](#)  
[MinimalDismantlingCostPerSqm<sup>C</sup>](#)  
[PedestalHeight<sup>C</sup>](#)  
[PedestalLength<sup>C</sup>](#)  
[PedestalWidth<sup>C</sup>](#)  
[RecycledContentValue<sup>C</sup>](#)  
[RecyclingDeconstructability<sup>C</sup>](#)  
[RecyclingPotentialValue<sup>C</sup>](#)  
[RecyclingSeparability<sup>C</sup>](#)  
[RefurbishmentCost<sup>C</sup>](#)  
[ResistanceToEarth<sup>C</sup>](#)  
[SystemMaximalWeight<sup>C</sup>](#)  
[SystemMinimalWeight<sup>C</sup>](#)  
[SystemWeight<sup>C</sup>](#)  
[TestingCost<sup>C</sup>](#)  
[Thickness<sup>C</sup>](#)  
[TransportCost<sup>C</sup>](#)  
[UseSpanTime<sup>C</sup>](#)

## Unit<sup>C</sup>

**IRI** <http://qudt.org/schema/qudt/Unit>

**Super Class Of** [CO2Eq<sup>C</sup>](#)

## A1Raw M Aterial Extraction Impact<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/A1RawMAterialExtractionImpact>

**Sub Class Of** [ProductStageImpact<sup>C</sup>](#)

## A2Transportation Of Raw Materials Impact<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/A2TransportationOfRawMaterialsImpact>

**Sub Class Of** [ProductStageImpact<sup>C</sup>](#)

### A3Manufacturing Impact<sup>C</sup>

---

**IRI** <http://w3id.org/CE0N/demo/construction/A3ManufacturingImpact>

**Sub Class Of** [ProductStageImpact<sup>C</sup>](#)

### A4Transportation Of Manufactured Products Impact<sup>C</sup>

---

**IRI** <http://w3id.org/CE0N/demo/construction/A4TransportationOfManufacturedProductsImpact>

**Sub Class Of** [ProductStageImpact<sup>C</sup>](#)

### A5The Construction Phase Impact<sup>C</sup>

---

**IRI** <http://w3id.org/CE0N/demo/construction/A5TheConstructionPhaseImpact>

**Sub Class Of** [ProductStageImpact<sup>C</sup>](#)

### Acoustic Layer<sup>C</sup>

---

**IRI** <http://w3id.org/CE0N/demo/construction/AcousticLayer>

**Sub Class Of** [product:Product](#)

### B1Installed Product Impact<sup>C</sup>

---

**IRI** <http://w3id.org/CE0N/demo/construction/B1InstalledProductImpact>

**Sub Class Of** [UseStageImpact<sup>C</sup>](#)

### B2Maintenance Impact<sup>C</sup>

---

**IRI** <http://w3id.org/CE0N/demo/construction/B2MaintenanceImpact>

**Sub Class Of** [UseStageImpact<sup>C</sup>](#)

### B3Repair Impact<sup>C</sup>

---

**IRI** <http://w3id.org/CE0N/demo/construction/B3RepairImpact>

**Sub Class Of** [UseStageImpact<sup>C</sup>](#)

### B4Replacement Impact<sup>C</sup>

---

**IRI** <http://w3id.org/CE0N/demo/construction/B4ReplacementImpact>

**Sub Class Of** [UseStageImpact<sup>C</sup>](#)

## B5Refurbishment Impact<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/B5RefurbishmentImpact>

**Sub Class Of** [UseStageImpact<sup>C</sup>](#)

## B6Operational Energy Consumption<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/B6OperationalEnergyConsumption>

**Sub Class Of** [UseStageImpact<sup>C</sup>](#)

## B7Operational Water Use<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/B7OperationalWaterUse>

**Sub Class Of** [UseStageImpact<sup>C</sup>](#)

## Beyond End Of Life<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/BeyondEndOfLife>

**Sub Class Of** [LifeCycleAssessmentImpact<sup>C</sup>](#)

## C1Demolition<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/C1Demolition>

**Sub Class Of** [EndOfLifeStage<sup>C</sup>](#)

## C2Cmh Silver Compliance<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/C2CMHSilverCompliance>

**Sub Class Of** [product:Compliance](#)

**Equivalentclass** [product:complianceWith](#) value [C2C\\_MH\\_Silver<sup>C</sup>](#)

## C2Transportation Of Demolition Waste<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/C2TransportationOfDemolitionWaste>

**Sub Class Of** [EndOfLifeStage<sup>C</sup>](#)

### C3Recycling Or Disposal<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/C3RecyclingOrDisposal>

**Sub Class Of** [EndOfLifeStage<sup>C</sup>](#)

### C4Final Disposal<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/C4FinalDisposal>

**Sub Class Of** [EndOfLifeStage<sup>C</sup>](#)

### Co2Eq<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/CO2Eq>

**Sub Class Of** [http://qudt.org/schema/qudt/Unit<sup>C</sup>](http://qudt.org/schema/qudt/Unit)

### Conductivity<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/Conductivity>

**Sub Class Of** [http://qudt.org/schema/qudt/QuantityValue<sup>C</sup>](http://qudt.org/schema/qudt/QuantityValue)  
[http://qudt.org/schema/qudt/hasUnit<sup>OP</sup>](http://qudt.org/schema/qudt/hasUnit) some [http://qudt.org/schema/qudt/Unit<sup>C</sup>](http://qudt.org/schema/qudt/Unit)  
and [http://qudt.org/schema/qudt/hasUnit<sup>OP</sup>](http://qudt.org/schema/qudt/hasUnit) only [http://qudt.org/schema/qudt/Unit<sup>C</sup>](http://qudt.org/schema/qudt/Unit)

**In Range Of** [hasConductivityValue<sup>OP</sup>](#)

**Restriction** [http://qudt.org/schema/qudt/numericValue<sup>DP</sup>](http://qudt.org/schema/qudt/numericValue) only [Conductivity<sup>C</sup>](#)

### Conductivity Property<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/ConductivityProperty>

**Sub Class Of** [http://qudt.org/schema/qudt/Quantity<sup>C</sup>](http://qudt.org/schema/qudt/Quantity)  
<http://w3id.org/CE0N/ontology/resourceODP/ResourceProperty>

**In Domain Of** [hasConductivityValue<sup>OP</sup>](#)

**In Range Of** [hasConductivityProperty<sup>OP</sup>](#)

**Restriction** [hasConductivityValue<sup>OP</sup>](#) only [ConductivityProperty<sup>C</sup>](#)

## Construction Product Quality<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/ConstructionProductQuality">http://w3id.org/CE0N/demo/construction/ConstructionProductQuality</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/resourceODP/ResourceQuality">http://w3id.org/CEON/ontology/resourceODP/ResourceQuality</a>
<b>In Range Of</b>	<a href="#">hasProductQuality<sup>OP</sup></a>
<b>Named Individuals</b>	<a href="#">product_quality_high<sup>ni</sup></a> <a href="#">product_quality_low<sup>ni</sup></a> <a href="#">product_quality_medium<sup>ni</sup></a>

## Contaminant<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/Contaminant">http://w3id.org/CE0N/demo/construction/Contaminant</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/resourceODP/Matter">http://w3id.org/CEON/ontology/resourceODP/Matter</a>
<b>In Range Of</b>	<a href="#">hasContaminant<sup>OP</sup></a>

## Dimensional Deviation<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/DimensionalDeviation">http://w3id.org/CE0N/demo/construction/DimensionalDeviation</a>
<b>In Range Of</b>	<a href="#">hasDimensionalDeviation<sup>OP</sup></a>

## Dismantling Cost<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/DismantlingCost">http://w3id.org/CE0N/demo/construction/DismantlingCost</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/QuantityValue&lt;sup&gt;C&lt;/sup">http://qudt.org/schema/qudt/QuantityValue<sup>C</sup></a> <a href="http://qudt.org/schema/qudt/hasUnit&lt;sup&gt;OP&lt;/sup">http://qudt.org/schema/qudt/hasUnit<sup>OP</sup></a> some <a href="http://qudt.org/schema/qudt/Unit&lt;sup&gt;C&lt;/sup">http://qudt.org/schema/qudt/Unit<sup>C</sup></a> and <a href="http://qudt.org/schema/qudt/hasUnit&lt;sup&gt;OP&lt;/sup">http://qudt.org/schema/qudt/hasUnit<sup>OP</sup></a> only <a href="http://qudt.org/schema/qudt/Unit&lt;sup&gt;C&lt;/sup">http://qudt.org/schema/qudt/Unit<sup>C</sup></a>
<b>Restriction</b>	<a href="http://qudt.org/schema/qudt/numericValue&lt;sup&gt;DP&lt;/sup">http://qudt.org/schema/qudt/numericValue<sup>DP</sup></a> only <a href="#">DismantlingCost<sup>C</sup></a>

## End Of Life Stage<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/EndOfLifeStage">http://w3id.org/CE0N/demo/construction/EndOfLifeStage</a>
<b>Sub Class Of</b>	<a href="#">LifeCycleAssessmentImpact<sup>C</sup></a>
<b>Super Class Of</b>	<a href="#">C1Demolition<sup>C</sup></a> <a href="#">C2TransportationOfDemolitionWaste<sup>C</sup></a> <a href="#">C3RecyclingOrDisposal<sup>C</sup></a> <a href="#">C4FinalDisposal<sup>C</sup></a>

## Environmental Impact<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/EnvironmentalImpact>

**Sub Class Of** <http://w3id.org/CEON/ontology/resourceODP/ResourceProperty>

**Super Class Of** [LifeCycleAssessmentImpact<sup>C</sup>](#)

## Fire Resistance Rating<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/FireResistanceRating>

**Sub Class Of** <http://w3id.org/CEON/ontology/resourceODP/ResourceProperty>

**In Range Of** [hasFireResistanceRating<sup>OP</sup>](#)

**Named Individuals**  
[E30<sup>ni</sup>](#)  
[E60<sup>ni</sup>](#)

## Fire Resistance Relation<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/FireResistanceRelation>

**Sub Class Of** [actorODP:ResourceParticipation](#)

## Floor Panel Height<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/FloorPanelHeight>

**Sub Class Of**  
[http://qudt.org/schema/qudt/QuantityValue<sup>C</sup>](http://qudt.org/schema/qudt/QuantityValue<sup>C</sup)  
[http://qudt.org/schema/qudt/hasUnit<sup>OP</sup>](http://qudt.org/schema/qudt/hasUnit<sup>OP</sup) some [http://qudt.org/schema/qudt/Unit<sup>C</sup>](http://qudt.org/schema/qudt/Unit<sup>C</sup)  
and [http://qudt.org/schema/qudt/hasUnit<sup>OP</sup>](http://qudt.org/schema/qudt/hasUnit<sup>OP</sup) only [http://qudt.org/schema/qudt/Unit<sup>C</sup>](http://qudt.org/schema/qudt/Unit<sup>C</sup)

**Restriction** [http://qudt.org/schema/qudt/numericValue<sup>dp</sup>](http://qudt.org/schema/qudt/numericValue<sup>dp</sup) only [FloorPanelHeight<sup>C</sup>](#)

## Floor Panel Height Property<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/FloorPanelHeightProperty>

**Sub Class Of**  
[http://qudt.org/schema/qudt/Quantity<sup>C</sup>](http://qudt.org/schema/qudt/Quantity<sup>C</sup)  
<http://w3id.org/CEON/ontology/resourceODP/ResourceProperty>

## Floor Panel Length<sup>C</sup>

**IRI** <http://w3id.org/CEON/demo/construction/FloorPanelLength>

**Sub Class Of**

[http://qudt.org/schema/qudt/QuantityValue<sup>C</sup>](http://qudt.org/schema/qudt/QuantityValue<sup>C</sup)  
[http://qudt.org/schema/qudt/hasUnit<sup>OP</sup>](http://qudt.org/schema/qudt/hasUnit<sup>OP</sup) only [http://qudt.org/schema/qudt/Unit<sup>C</sup>](http://qudt.org/schema/qudt/Unit<sup>C</sup)  
and [http://qudt.org/schema/qudt/hasUnit<sup>OP</sup>](http://qudt.org/schema/qudt/hasUnit<sup>OP</sup) some  
[http://qudt.org/schema/qudt/Unit<sup>C</sup>](http://qudt.org/schema/qudt/Unit<sup>C</sup)

**Restriction**

[http://qudt.org/schema/qudt/numericValue<sup>DP</sup>](http://qudt.org/schema/qudt/numericValue<sup>DP</sup) only [FloorPanelLength<sup>C</sup>](http://w3id.org/CEON/demo/construction/FloorPanelLength)

## Floor Panel Length Floor Property<sup>C</sup>

**IRI** <http://w3id.org/CEON/demo/construction/FloorPanelLengthFloorProperty>

**Sub Class Of**

[http://qudt.org/schema/qudt/Quantity<sup>C</sup>](http://qudt.org/schema/qudt/Quantity<sup>C</sup)  
<http://w3id.org/CEON/ontology/resourceODP/ResourceProperty>

## Floor Panel Width<sup>C</sup>

**IRI** <http://w3id.org/CEON/demo/construction/FloorPanelWidth>

**Sub Class Of**

[http://qudt.org/schema/qudt/QuantityValue<sup>C</sup>](http://qudt.org/schema/qudt/QuantityValue<sup>C</sup)  
[http://qudt.org/schema/qudt/hasUnit<sup>OP</sup>](http://qudt.org/schema/qudt/hasUnit<sup>OP</sup) only [http://qudt.org/schema/qudt/Unit<sup>C</sup>](http://qudt.org/schema/qudt/Unit<sup>C</sup)  
and [http://qudt.org/schema/qudt/hasUnit<sup>OP</sup>](http://qudt.org/schema/qudt/hasUnit<sup>OP</sup) some  
[http://qudt.org/schema/qudt/Unit<sup>C</sup>](http://qudt.org/schema/qudt/Unit<sup>C</sup)

**Restriction**

[http://qudt.org/schema/qudt/numericValue<sup>DP</sup>](http://qudt.org/schema/qudt/numericValue<sup>DP</sup) only [FloorPanelWidth<sup>C</sup>](http://w3id.org/CEON/demo/construction/FloorPanelWidth)

## Floor Panel Width Property<sup>C</sup>

**IRI** <http://w3id.org/CEON/demo/construction/FloorPanelWidthProperty>

**Sub Class Of**

[http://qudt.org/schema/qudt/Quantity<sup>C</sup>](http://qudt.org/schema/qudt/Quantity<sup>C</sup)  
<http://w3id.org/CEON/ontology/resourceODP/ResourceProperty>

## Floor System<sup>C</sup>

**IRI** <http://w3id.org/CEON/demo/construction/FloorSystem>

**Sub Class Of**

[product:Product](http://www.w3.org/ns/product#Product)

## Floor Tile<sup>C</sup>

**IRI** <http://w3id.org/CEON/demo/construction/FloorTile>

**Sub Class Of**

[product:Product](http://www.w3.org/ns/product#Product)



## Floor Tile Condition<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/FloorTileCondition>

**Sub Class Of** <http://w3id.org/CEON/ontology/resourceODP/ResourceCondition>

### Named Individuals

[bad\\_condition<sup>ni</sup>](#)

[good\\_condition<sup>ni</sup>](#)

[medium\\_condition<sup>ni</sup>](#)

## Floor Tile Condition Relation<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/FloorTileConditionRelation>

**Sub Class Of** [actorODP:ResourceParticipation](#)

## Galvanized Steel Material<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/GalvanizedSteelMaterial>

**Sub Class Of** [material:Material](#)

## Global Warming Potential<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/GlobalWarmingPotential>

### Sub Class Of

<http://qudt.org/schema/qudt/QuantityValue<sup>C</sup>>

<http://qudt.org/schema/qudt/hasUnit<sup>OP</sup>> some [CO2Eq<sup>C</sup>](#) and

<http://qudt.org/schema/qudt/hasUnit<sup>OP</sup>> only [CO2Eq<sup>C</sup>](#)

**In Range Of** [hasGlobalWarmingPotential<sup>OP</sup>](#)

**Restriction** <http://qudt.org/schema/qudt/numericValue<sup>DP</sup>> only [GlobalWarmingPotential<sup>C</sup>](#)

## Installation Location<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/InstallationLocation>

**Sub Class Of** <http://w3id.org/CEON/ontology/location/Location>

## Life Cycle Assessment Impact<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/LifeCycleAssessmentImpact">http://w3id.org/CE0N/demo/construction/LifeCycleAssessmentImpact</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/Quantity">http://qudt.org/schema/qudt/Quantity</a> <sup>C</sup> <a href="#">EnvironmentalImpact</a> <sup>C</sup>
<b>In Domain Of</b>	<a href="#">hasGlobalWarmingPotential</a> <sup>OP</sup>
<b>Restriction</b>	<a href="#">hasGlobalWarmingPotential</a> <sup>OP</sup> only <a href="#">LifeCycleAssessmentImpact</a> <sup>C</sup>
<b>Super Class Of</b>	<a href="#">BeyondEndOfLife</a> <sup>C</sup> <a href="#">EndOfLifeStage</a> <sup>C</sup> <a href="#">ProductStageImpact</a> <sup>C</sup> <a href="#">UseStageImpact</a> <sup>C</sup>

## Local Recycling Plant Distance<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/LocalRecyclingPlantDistance">http://w3id.org/CE0N/demo/construction/LocalRecyclingPlantDistance</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/QuantityValue">http://qudt.org/schema/qudt/QuantityValue</a> <sup>C</sup> <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> some <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup> and <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> only <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup>
<b>In Range Of</b>	<a href="#">hasDistanceToRecyclingPlant</a> <sup>OP</sup> <a href="#">hasRecyclingPlant</a> <sup>OP</sup>
<b>Restriction</b>	<a href="http://qudt.org/schema/qudt/numericValue">http://qudt.org/schema/qudt/numericValue</a> <sup>DP</sup> only <a href="#">LocalRecyclingPlantDistance</a> <sup>C</sup>

## Market Value For Product<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/MarketValueForProduct">http://w3id.org/CE0N/demo/construction/MarketValueForProduct</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/QuantityValue">http://qudt.org/schema/qudt/QuantityValue</a> <sup>C</sup> <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> some <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup> and <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> only <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup>
<b>In Range Of</b>	<a href="#">hasMarketValueForNewProduct</a> <sup>OP</sup> <a href="#">hasMarketValueForReusedProduct</a> <sup>OP</sup>
<b>Restriction</b>	<a href="http://qudt.org/schema/qudt/numericValue">http://qudt.org/schema/qudt/numericValue</a> <sup>DP</sup> only <a href="#">MarketValueForProduct</a> <sup>C</sup>

## Maximal Dismantling Cost<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/MaximalDismantlingCost>

### Sub Class Of

<http://qudt.org/schema/qudt/QuantityValue><sup>C</sup>  
<http://qudt.org/schema/qudt/hasUnit><sup>OP</sup> only <http://qudt.org/schema/qudt/Unit><sup>C</sup>  
and <http://qudt.org/schema/qudt/hasUnit><sup>OP</sup> some  
<http://qudt.org/schema/qudt/Unit><sup>C</sup>

### Restriction

<http://qudt.org/schema/qudt/numericValue><sup>DP</sup> only [MaximalDismantlingCost](http://w3id.org/CE0N/demo/construction/MaximalDismantlingCost)<sup>C</sup>

## Maximal Dismantling Cost Per Sqm<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/MaximalDismantlingCostPerSqm>

### Sub Class Of

<http://qudt.org/schema/qudt/Quantity><sup>C</sup>  
<http://qudt.org/schema/qudt/QuantityValue><sup>C</sup>  
<http://qudt.org/schema/qudt/hasUnit><sup>OP</sup> only <http://qudt.org/schema/qudt/Unit><sup>C</sup>  
and <http://qudt.org/schema/qudt/hasUnit><sup>OP</sup> some  
<http://qudt.org/schema/qudt/Unit><sup>C</sup>

### Restriction

<http://qudt.org/schema/qudt/numericValue><sup>DP</sup> only  
[MaximalDismantlingCostPerSqm](http://w3id.org/CE0N/demo/construction/MaximalDismantlingCostPerSqm)<sup>C</sup>

## Minimal Dismantling Cost<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/MinimalDismantlingCost>

### Sub Class Of

<http://qudt.org/schema/qudt/QuantityValue><sup>C</sup>  
<http://qudt.org/schema/qudt/hasUnit><sup>OP</sup> some <http://qudt.org/schema/qudt/Unit><sup>C</sup>  
and <http://qudt.org/schema/qudt/hasUnit><sup>OP</sup> only <http://qudt.org/schema/qudt/Unit><sup>C</sup>

### Restriction

<http://qudt.org/schema/qudt/numericValue><sup>DP</sup> only [MinimalDismantlingCost](http://w3id.org/CE0N/demo/construction/MinimalDismantlingCost)<sup>C</sup>

## Minimal Dismantling Cost Per Sqm<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/MinimalDismantlingCostPerSqm>

### Sub Class Of

<http://qudt.org/schema/qudt/Quantity><sup>C</sup>  
<http://qudt.org/schema/qudt/QuantityValue><sup>C</sup>  
<http://qudt.org/schema/qudt/hasUnit><sup>OP</sup> only <http://qudt.org/schema/qudt/Unit><sup>C</sup>  
and <http://qudt.org/schema/qudt/hasUnit><sup>OP</sup> some  
<http://qudt.org/schema/qudt/Unit><sup>C</sup>

### Restriction

<http://qudt.org/schema/qudt/numericValue><sup>DP</sup> only  
[MinimalDismantlingCostPerSqm](http://w3id.org/CE0N/demo/construction/MinimalDismantlingCostPerSqm)<sup>C</sup>

## Pedestal<sup>c</sup>

**IRI** <http://w3id.org/CEON/demo/construction/Pedestal>

**Sub Class Of** [product:Product](#)

## Pedestal Glue<sup>c</sup>

**IRI** <http://w3id.org/CEON/demo/construction/PedestalGlue>

**Sub Class Of** [product:Product](#)

## Pedestal Height<sup>c</sup>

**IRI** <http://w3id.org/CEON/demo/construction/PedestalHeight>

**Sub Class Of** <http://qudt.org/schema/qudt/QuantityValue><sup>c</sup>  
<http://qudt.org/schema/qudt/hasUnit><sup>op</sup> some <http://qudt.org/schema/qudt/Unit><sup>c</sup>  
and <http://qudt.org/schema/qudt/hasUnit><sup>op</sup> only <http://qudt.org/schema/qudt/Unit><sup>c</sup>

**Restriction** <http://qudt.org/schema/qudt/numericValue><sup>dp</sup> only [PedestalHeight](#)<sup>c</sup>

## Pedestal Height Property<sup>c</sup>

**IRI** <http://w3id.org/CEON/demo/construction/PedestalHeightProperty>

**Sub Class Of** <http://qudt.org/schema/qudt/Quantity><sup>c</sup>  
<http://w3id.org/CEON/ontology/resourceODP/ResourceProperty>

## Pedestal Length<sup>c</sup>

**IRI** <http://w3id.org/CEON/demo/construction/PedestalLength>

**Sub Class Of** <http://qudt.org/schema/qudt/QuantityValue><sup>c</sup>  
<http://w3id.org/CEON/ontology/resourceODP/ResourceProperty>  
<http://qudt.org/schema/qudt/hasUnit><sup>op</sup> only <http://qudt.org/schema/qudt/Unit><sup>c</sup>  
and <http://qudt.org/schema/qudt/hasUnit><sup>op</sup> some  
<http://qudt.org/schema/qudt/Unit><sup>c</sup>

**Restriction** <http://qudt.org/schema/qudt/numericValue><sup>dp</sup> only [PedestalLength](#)<sup>c</sup>

## Pedestal Width<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/PedestalWidth>

**Sub Class Of** <http://qudt.org/schema/qudt/QuantityValue><sup>C</sup>  
<http://w3id.org/CE0N/ontology/resourceODP/ResourceProperty>  
<http://qudt.org/schema/qudt/hasUnit><sup>op</sup> only <http://qudt.org/schema/qudt/Unit><sup>C</sup>  
and <http://qudt.org/schema/qudt/hasUnit><sup>op</sup> some  
<http://qudt.org/schema/qudt/Unit><sup>C</sup>

**Restriction** <http://qudt.org/schema/qudt/numericValue><sup>dp</sup> only [PedestalWidth](#)<sup>C</sup>

## Product Stage Impact<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/ProductStageImpact>

**Sub Class Of** [LifeCycleAssessmentImpact](#)<sup>C</sup>

**Super Class Of** [A1RawMAterialExtractionImpact](#)<sup>C</sup>  
[A2TransportationOfRawMaterialsImpact](#)<sup>C</sup>  
[A3ManufacturingImpact](#)<sup>C</sup>  
[A4TransportationOfManufacturedProductsImpact](#)<sup>C</sup>  
[A5TheConstructionPhaseImpact](#)<sup>C</sup>

## Recycled Content<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/RecycledContent>

**Sub Class Of** <http://qudt.org/schema/qudt/Quantity><sup>C</sup>

## Recycled Content Value<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/RecycledContentValue>

**Sub Class Of** <http://qudt.org/schema/qudt/QuantityValue><sup>C</sup>

**In Range Of** [hasRecycledContentValue](#)<sup>op</sup>

**Restriction** <http://qudt.org/schema/qudt/hasUnit><sup>op</sup> only [RecycledContentValue](#)<sup>C</sup>  
<http://qudt.org/schema/qudt/numericValue><sup>dp</sup> only [RecycledContentValue](#)<sup>C</sup>

## Recycling Deconstructability<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/RecyclingDeconstructability">http://w3id.org/CE0N/demo/construction/RecyclingDeconstructability</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/QuantityValue">http://qudt.org/schema/qudt/QuantityValue</a> <sup>C</sup> <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> only <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup> and <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> some <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup>
<b>In Range Of</b>	<a href="#">hasReuseDeconstructability</a> <sup>OP</sup>
<b>Restriction</b>	<a href="http://qudt.org/schema/qudt/numericValue">http://qudt.org/schema/qudt/numericValue</a> <sup>DP</sup> only <a href="#">RecyclingDeconstructability</a> <sup>C</sup>

## Recycling Potential Value<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/RecyclingPotentialValue">http://w3id.org/CE0N/demo/construction/RecyclingPotentialValue</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/QuantityValue">http://qudt.org/schema/qudt/QuantityValue</a> <sup>C</sup> <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> some <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup> and <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> only <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup>
<b>In Range Of</b>	<a href="#">hasRecyclingPotential</a> <sup>OP</sup>
<b>Restriction</b>	<a href="http://qudt.org/schema/qudt/numericValue">http://qudt.org/schema/qudt/numericValue</a> <sup>DP</sup> only <a href="#">RecyclingPotentialValue</a> <sup>C</sup>

## Recycling Separability<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/RecyclingSeparability">http://w3id.org/CE0N/demo/construction/RecyclingSeparability</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/QuantityValue">http://qudt.org/schema/qudt/QuantityValue</a> <sup>C</sup> <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> some <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup> and <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> only <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup>
<b>In Range Of</b>	<a href="#">hasRecyclingSeparability</a> <sup>OP</sup>
<b>Restriction</b>	<a href="http://qudt.org/schema/qudt/numericValue">http://qudt.org/schema/qudt/numericValue</a> <sup>DP</sup> only <a href="#">RecyclingSeparability</a> <sup>C</sup>

## Recycling Separability Property<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/RecyclingSeparabilityProperty">http://w3id.org/CE0N/demo/construction/RecyclingSeparabilityProperty</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/Quantity">http://qudt.org/schema/qudt/Quantity</a> <sup>C</sup> <a href="http://w3id.org/CE0N/ontology/resourceODP/ResourceProperty">http://w3id.org/CE0N/ontology/resourceODP/ResourceProperty</a>
<b>In Domain Of</b>	<a href="#">hasRecyclingSeparability</a> <sup>OP</sup>
<b>Restriction</b>	<a href="#">hasRecyclingSeparability</a> <sup>OP</sup> only <a href="#">RecyclingSeparabilityProperty</a> <sup>C</sup>

## Refurbishment Cost<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/RefurbishmentCost">http://w3id.org/CE0N/demo/construction/RefurbishmentCost</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/QuantityValue">http://qudt.org/schema/qudt/QuantityValue</a> <sup>C</sup> <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> only <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup> and <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> some <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup>
<b>Restriction</b>	<a href="http://qudt.org/schema/qudt/numericValue">http://qudt.org/schema/qudt/numericValue</a> <sup>DP</sup> only <a href="#">RefurbishmentCost</a> <sup>C</sup>

## Resistance To Earth<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/ResistanceToEarth">http://w3id.org/CE0N/demo/construction/ResistanceToEarth</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/QuantityValue">http://qudt.org/schema/qudt/QuantityValue</a> <sup>C</sup> <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> only <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup> and <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> some <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup>
<b>In Range Of</b>	<a href="#">hasResistanceToEarth</a> <sup>OP</sup>
<b>Restriction</b>	<a href="http://qudt.org/schema/qudt/numericValue">http://qudt.org/schema/qudt/numericValue</a> <sup>DP</sup> only <a href="#">ResistanceToEarth</a> <sup>C</sup>

## Resistance To Earth Property<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/ResistanceToEarthProperty">http://w3id.org/CE0N/demo/construction/ResistanceToEarthProperty</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/Quantity">http://qudt.org/schema/qudt/Quantity</a> <sup>C</sup> <a href="http://w3id.org/CE0N/ontology/resourceODP/ResourceProperty">http://w3id.org/CE0N/ontology/resourceODP/ResourceProperty</a>
<b>In Domain Of</b>	<a href="#">hasResistanceToEarth</a> <sup>OP</sup>
<b>Restriction</b>	<a href="#">hasResistanceToEarth</a> <sup>OP</sup> only <a href="#">ResistanceToEarthProperty</a> <sup>C</sup>

## Reuse Deconstructability Property<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/ReuseDeconstructabilityProperty">http://w3id.org/CE0N/demo/construction/ReuseDeconstructabilityProperty</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/Quantity">http://qudt.org/schema/qudt/Quantity</a> <sup>C</sup> <a href="http://w3id.org/CE0N/ontology/resourceODP/ResourceProperty">http://w3id.org/CE0N/ontology/resourceODP/ResourceProperty</a>
<b>In Domain Of</b>	<a href="#">hasReuseDeconstructability</a> <sup>OP</sup>
<b>Restriction</b>	<a href="#">hasReuseDeconstructability</a> <sup>OP</sup> only <a href="#">ReuseDeconstructabilityProperty</a> <sup>C</sup>

## Reuse Potential<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/ReusePotential>

**Sub Class Of** <http://w3id.org/CE0N/ontology/resourceODP/ResourceProperty>

**In Domain Of** [hasRecyclingPotential](#)<sup>OP</sup>

**In Range Of** [hasReusePotential](#)<sup>OP</sup>

**Named Individuals**  
[high\\_reuse\\_potential](#)<sup>ni</sup>  
[moderate\\_reuse\\_potential](#)<sup>ni</sup>  
[no\\_reuse](#)<sup>ni</sup>

## Screw<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/Screw>

**Sub Class Of** [product:Item](#)

## System Maximal Weight<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/SystemMaximalWeight>

**Sub Class Of**  
<http://qudt.org/schema/qudt/QuantityValue><sup>C</sup>  
<http://qudt.org/schema/qudt/hasUnit><sup>OP</sup> some <http://qudt.org/schema/qudt/Unit><sup>C</sup>  
and <http://qudt.org/schema/qudt/hasUnit><sup>OP</sup> only <http://qudt.org/schema/qudt/Unit><sup>C</sup>

**Restriction** <http://qudt.org/schema/qudt/numericValue><sup>DP</sup> only [SystemMaximalWeight](#)<sup>C</sup>

## System Maximal Weight Property<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/SystemMaximalWeightProperty>

**Sub Class Of**  
<http://qudt.org/schema/qudt/Quantity><sup>C</sup>  
<http://w3id.org/CE0N/ontology/resourceODP/ResourceProperty>

**Restriction** [hasSystemWeight](#)<sup>OP</sup> only [SystemMaximalWeightProperty](#)<sup>C</sup>

## System Minimal Weight<sup>C</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/SystemMinimalWeight>

**Sub Class Of**  
<http://qudt.org/schema/qudt/QuantityValue><sup>C</sup>  
<http://qudt.org/schema/qudt/hasUnit><sup>OP</sup> only <http://qudt.org/schema/qudt/Unit><sup>C</sup>  
and <http://qudt.org/schema/qudt/hasUnit><sup>OP</sup> some  
<http://qudt.org/schema/qudt/Unit><sup>C</sup>

**Restriction** <http://qudt.org/schema/qudt/numericValue><sup>DP</sup> only [SystemMinimalWeight](#)<sup>C</sup>



## System Minimal Weight Property<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/SystemMinimalWeightProperty">http://w3id.org/CE0N/demo/construction/SystemMinimalWeightProperty</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/Quantity">http://qudt.org/schema/qudt/Quantity</a> <sup>C</sup> <a href="http://w3id.org/CEON/ontology/resourceODP/ResourceProperty">http://w3id.org/CEON/ontology/resourceODP/ResourceProperty</a>
<b>Restriction</b>	<a href="#">hasSystemWeight</a> <sup>OP</sup> only <a href="#">SystemMinimalWeightProperty</a> <sup>C</sup>

## System Weight<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/SystemWeight">http://w3id.org/CE0N/demo/construction/SystemWeight</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/QuantityValue">http://qudt.org/schema/qudt/QuantityValue</a> <sup>C</sup> <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> some <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup> and <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> only <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup>
<b>In Range Of</b>	<a href="#">hasSystemWeight</a> <sup>OP</sup>
<b>Restriction</b>	<a href="http://qudt.org/schema/qudt/numericValue">http://qudt.org/schema/qudt/numericValue</a> <sup>DP</sup> only <a href="#">SystemWeight</a> <sup>C</sup>

## System Weight Property<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/SystemWeightProperty">http://w3id.org/CE0N/demo/construction/SystemWeightProperty</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/Quantity">http://qudt.org/schema/qudt/Quantity</a> <sup>C</sup> <a href="http://w3id.org/CEON/ontology/resourceODP/ResourceProperty">http://w3id.org/CEON/ontology/resourceODP/ResourceProperty</a>
<b>Restriction</b>	<a href="#">hasSystemWeight</a> <sup>OP</sup> only <a href="#">SystemWeightProperty</a> <sup>C</sup>

## Take Back Program From Original Manufacturer<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/TakeBackProgramFromOriginalManufacturer">http://w3id.org/CE0N/demo/construction/TakeBackProgramFromOriginalManufacturer</a>
<b>Sub Class Of</b>	<a href="#">actorODP:Infrastructure</a>

## Testing Cost<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/TestingCost">http://w3id.org/CE0N/demo/construction/TestingCost</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/QuantityValue">http://qudt.org/schema/qudt/QuantityValue</a> <sup>C</sup> <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> some <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup> and <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> only <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup>
<b>Restriction</b>	<a href="http://qudt.org/schema/qudt/numericValue">http://qudt.org/schema/qudt/numericValue</a> <sup>DP</sup> only <a href="#">TestingCost</a> <sup>C</sup>

## Thickness<sup>c</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/Thickness>

**Sub Class Of** <http://qudt.org/schema/qudt/QuantityValue><sup>c</sup>  
<http://qudt.org/schema/qudt/hasUnit><sup>op</sup> only <http://qudt.org/schema/qudt/Unit><sup>c</sup>  
and <http://qudt.org/schema/qudt/hasUnit><sup>op</sup> some  
<http://qudt.org/schema/qudt/Unit><sup>c</sup>

**Restriction** <http://qudt.org/schema/qudt/numericValue><sup>dp</sup> only [Thickness](#)<sup>c</sup>

## Thickness Property<sup>c</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/ThicknessProperty>

**Sub Class Of** <http://qudt.org/schema/qudt/Quantity><sup>c</sup>  
<http://w3id.org/CE0N/ontology/resourceODP/ResourceProperty>

## Transport Cost<sup>c</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/TransportCost>

**Sub Class Of** <http://qudt.org/schema/qudt/QuantityValue><sup>c</sup>  
<http://qudt.org/schema/qudt/hasUnit><sup>op</sup> only <http://qudt.org/schema/qudt/Unit><sup>c</sup>  
and <http://qudt.org/schema/qudt/hasUnit><sup>op</sup> some  
<http://qudt.org/schema/qudt/Unit><sup>c</sup>

**Restriction** <http://qudt.org/schema/qudt/numericValue><sup>dp</sup> only [TransportCost](#)<sup>c</sup>

## Treatment Policy<sup>c</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/TreatmentPolicy>

**Sub Class Of** <http://w3id.org/CE0N/ontology/resourceODP/Information>

**In Range Of** [policyOnTreatment](#)<sup>op</sup>

**Named Individuals** [refurbish](#)<sup>ni</sup>  
[reprocess](#)<sup>ni</sup>  
[reuse](#)<sup>ni</sup>

## Use Span Time<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/UseSpanTime">http://w3id.org/CE0N/demo/construction/UseSpanTime</a>
<b>Sub Class Of</b>	<a href="http://qudt.org/schema/qudt/QuantityValue">http://qudt.org/schema/qudt/QuantityValue</a> <sup>C</sup> <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> some <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup> and <a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a> <sup>OP</sup> only <a href="http://qudt.org/schema/qudt/Unit">http://qudt.org/schema/qudt/Unit</a> <sup>C</sup>
<b>In Range Of</b>	<a href="#">hasUseSpan</a> <sup>OP</sup> <a href="#">hasUseSpanRemaining</a> <sup>OP</sup> <a href="#">hasUseSpanTotal</a> <sup>OP</sup>
<b>Restriction</b>	<a href="http://qudt.org/schema/qudt/numericValue">http://qudt.org/schema/qudt/numericValue</a> <sup>DP</sup> only <a href="#">UseSpanTime</a> <sup>C</sup>

## Use Stage Impact<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/UseStageImpact">http://w3id.org/CE0N/demo/construction/UseStageImpact</a>
<b>Sub Class Of</b>	<a href="#">LifeCycleAssessmentImpact</a> <sup>C</sup>
<b>Super Class Of</b>	<a href="#">B1InstalledProductImpact</a> <sup>C</sup> <a href="#">B2MaintenanceImpact</a> <sup>C</sup> <a href="#">B3RepairImpact</a> <sup>C</sup> <a href="#">B4ReplacementImpact</a> <sup>C</sup> <a href="#">B5RefurbishmentImpact</a> <sup>C</sup> <a href="#">B6OperationalEnergyConsumption</a> <sup>C</sup> <a href="#">B7OperationalWaterUse</a> <sup>C</sup>

## Object Properties

### has unit<sup>OP</sup>

<b>IRI</b>	<a href="http://qudt.org/schema/qudt/hasUnit">http://qudt.org/schema/qudt/hasUnit</a>
------------	---

### quantity value<sup>OP</sup>

<b>IRI</b>	<a href="http://qudt.org/schema/qudt/quantityValue">http://qudt.org/schema/qudt/quantityValue</a>
------------	---

<b>Super Property Of</b>	<ul style="list-style-type: none"><li><a href="#">hasConductivityValue</a><sup>OP</sup></li><li><a href="#">hasDistanceToRecyclingPlant</a><sup>OP</sup></li><li><a href="#">hasGlobalWarmingPotential</a><sup>OP</sup></li><li><a href="#">hasRecycledContentValue</a><sup>OP</sup></li><li><a href="#">hasRecyclingPlant</a><sup>OP</sup></li><li><a href="#">hasRecyclingPotential</a><sup>OP</sup></li><li><a href="#">hasRecyclingSeparability</a><sup>OP</sup></li><li><a href="#">hasResistanceToEarth</a><sup>OP</sup></li><li><a href="#">hasReuseDeconstructability</a><sup>OP</sup></li><li><a href="#">hasSystemWeight</a><sup>OP</sup></li><li><a href="#">hasUseSpan</a><sup>OP</sup></li></ul>
--------------------------	---

## has accessory<sup>op</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasAccessory>

## has conductivity property<sup>op</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasConductivityProperty>

**Sub Property Of** <http://w3id.org/CE0N/ontology/resourceODP/hasResourceProperty>

**Domain** [product:Product<sup>c</sup>](#) or [product:Item<sup>c</sup>](#)

**Range** [ConductivityProperty<sup>c</sup>](#)

## has conductivity value<sup>op</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasConductivityValue>

**Sub Property Of** <http://qudt.org/schema/qudt/quantityValue<sup>op</sup>>

**Domain**

- [ConductivityProperty<sup>c</sup>](#)
- [product:Product<sup>c</sup>](#) or [product:Item<sup>c</sup>](#)

**Range** [Conductivity<sup>c</sup>](#)

## has contaminant<sup>op</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasContaminant>

**Domain** [product:Item<sup>c</sup>](#) or [product:Product<sup>c</sup>](#)

**Range** [Contaminant<sup>c</sup>](#)

## has dimensional deviation<sup>op</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasDimensionalDeviation>

**Sub Property Of** [topObjectProperty<sup>op</sup>](#)

**Domain** [product:Product<sup>c</sup>](#) or [product:Item<sup>c</sup>](#)

**Range** [DimensionalDeviation<sup>c</sup>](#)

### has distance to recycling plant<sup>OP</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/demo/construction/hasDistanceToRecyclingPlant">http://w3id.org/CEON/demo/construction/hasDistanceToRecyclingPlant</a>
<b>Sub Property Of</b>	<a href="http://qudt.org/schema/qudt/quantityValue">http://qudt.org/schema/qudt/quantityValue</a> <sup>OP</sup>
<b>Domain</b>	<a href="#">product:Product</a> <sup>C</sup> or <a href="#">product:Item</a> <sup>C</sup>
<b>Range</b>	<a href="#">LocalRecyclingPlantDistance</a> <sup>C</sup>

### has fire resistance rating<sup>OP</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/demo/construction/hasFireResistanceRating">http://w3id.org/CEON/demo/construction/hasFireResistanceRating</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty">http://w3id.org/CEON/ontology/resourceODP/hasResourceProperty</a>
<b>Domain</b>	<a href="#">product:Item</a> <sup>C</sup> or <a href="#">product:Product</a> <sup>C</sup>
<b>Range</b>	<a href="#">FireResistanceRating</a> <sup>C</sup>

### has global warming potential<sup>OP</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/demo/construction/hasGlobalWarmingPotential">http://w3id.org/CEON/demo/construction/hasGlobalWarmingPotential</a>
<b>Sub Property Of</b>	<a href="http://qudt.org/schema/qudt/quantityValue">http://qudt.org/schema/qudt/quantityValue</a> <sup>OP</sup>
<b>Domain</b>	<ul style="list-style-type: none"><li><a href="#">LifeCycleAssessmentImpact</a><sup>C</sup></li><li><a href="#">product:Item</a><sup>C</sup> or <a href="#">product:Product</a><sup>C</sup></li></ul>
<b>Range</b>	<a href="#">GlobalWarmingPotential</a> <sup>C</sup>

### has installation location<sup>OP</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/demo/construction/hasInstallationLocation">http://w3id.org/CEON/demo/construction/hasInstallationLocation</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/location/hasLocation">http://w3id.org/CEON/ontology/location/hasLocation</a>
<b>Domain</b>	<a href="#">product:Product</a> <sup>C</sup> or <a href="#">product:Item</a> <sup>C</sup>

### has market value for new product<sup>OP</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/demo/construction/hasMarketValueForNewProduct">http://w3id.org/CEON/demo/construction/hasMarketValueForNewProduct</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/quantity/hasMarketValue">http://w3id.org/CEON/ontology/quantity/hasMarketValue</a>
<b>Domain</b>	<a href="#">product:Item</a> <sup>C</sup> or <a href="#">product:Product</a> <sup>C</sup>
<b>Range</b>	<a href="#">MarketValueForProduct</a> <sup>C</sup>

has market value for reused product<sup>OP</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/hasMarketValueForReusedProduct">http://w3id.org/CE0N/demo/construction/hasMarketValueForReusedProduct</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CE0N/ontology/quantity/hasMarketValue">http://w3id.org/CE0N/ontology/quantity/hasMarketValue</a>
<b>Domain</b>	<a href="#">product:Product<sup>C</sup></a> or <a href="#">product:Item<sup>C</sup></a>
<b>Range</b>	<a href="#">MarketValueForProduct<sup>C</sup></a>

has product quality<sup>OP</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/hasProductQuality">http://w3id.org/CE0N/demo/construction/hasProductQuality</a>
<b>Sub Property Of</b>	<a href="#">topObjectProperty<sup>OP</sup></a>
<b>Domain</b>	<a href="#">product:Product<sup>C</sup></a> or <a href="#">product:Item<sup>C</sup></a>
<b>Range</b>	<a href="#">ConstructionProductQuality<sup>C</sup></a>

has recycled content value<sup>OP</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/hasRecycledContentValue">http://w3id.org/CE0N/demo/construction/hasRecycledContentValue</a>
<b>Sub Property Of</b>	<a href="http://qudt.org/schema/qudt/quantityValue">http://qudt.org/schema/qudt/quantityValue<sup>OP</sup></a>
<b>Range</b>	<a href="#">RecycledContentValue<sup>C</sup></a>

has recycling plant<sup>OP</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/hasRecyclingPlant">http://w3id.org/CE0N/demo/construction/hasRecyclingPlant</a>
<b>Sub Property Of</b>	<a href="http://qudt.org/schema/qudt/quantityValue">http://qudt.org/schema/qudt/quantityValue<sup>OP</sup></a>
<b>Range</b>	<a href="#">LocalRecyclingPlantDistance<sup>C</sup></a>

has recycling potential<sup>OP</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/hasRecyclingPotential">http://w3id.org/CE0N/demo/construction/hasRecyclingPotential</a>
<b>Sub Property Of</b>	<a href="http://qudt.org/schema/qudt/quantityValue">http://qudt.org/schema/qudt/quantityValue<sup>OP</sup></a>
<b>Domain</b>	<ul style="list-style-type: none"><li><a href="#">ReusePotential<sup>C</sup></a></li><li><a href="#">product:Product<sup>C</sup></a> or <a href="#">product:Item<sup>C</sup></a></li></ul>
<b>Range</b>	<a href="#">RecyclingPotentialValue<sup>C</sup></a>

## has recycling separability<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/hasRecyclingSeparability">http://w3id.org/CE0N/demo/construction/hasRecyclingSeparability</a>
<b>Sub Property Of</b>	<a href="http://qudt.org/schema/qudt/quantityValue">http://qudt.org/schema/qudt/quantityValue</a> <sup>op</sup>
<b>Domain</b>	<ul style="list-style-type: none"><li><a href="#">RecyclingSeparabilityProperty</a><sup>C</sup></li><li><a href="#">product:Product</a><sup>C</sup> or <a href="#">product:Item</a><sup>C</sup></li></ul>
<b>Range</b>	<a href="#">RecyclingSeparability</a> <sup>C</sup>

## has resistance to earth<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/hasResistanceToEarth">http://w3id.org/CE0N/demo/construction/hasResistanceToEarth</a>
<b>Sub Property Of</b>	<a href="http://qudt.org/schema/qudt/quantityValue">http://qudt.org/schema/qudt/quantityValue</a> <sup>op</sup>
<b>Domain</b>	<ul style="list-style-type: none"><li><a href="#">ResistanceToEarthProperty</a><sup>C</sup></li><li><a href="#">product:Product</a><sup>C</sup> or <a href="#">product:Item</a><sup>C</sup></li></ul>
<b>Range</b>	<a href="#">ResistanceToEarth</a> <sup>C</sup>

## has reuse deconstructability<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/hasReuseDeconstructability">http://w3id.org/CE0N/demo/construction/hasReuseDeconstructability</a>
<b>Sub Property Of</b>	<a href="http://qudt.org/schema/qudt/quantityValue">http://qudt.org/schema/qudt/quantityValue</a> <sup>op</sup>
<b>Domain</b>	<ul style="list-style-type: none"><li><a href="#">ReuseDeconstructabilityProperty</a><sup>C</sup></li><li><a href="#">product:Product</a><sup>C</sup> or <a href="#">product:Item</a><sup>C</sup></li></ul>
<b>Range</b>	<a href="#">RecyclingDeconstructability</a> <sup>C</sup>

## has reuse potential<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CE0N/demo/construction/hasReusePotential">http://w3id.org/CE0N/demo/construction/hasReusePotential</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CE0N/ontology/resourceODP/hasResourceProperty">http://w3id.org/CE0N/ontology/resourceODP/hasResourceProperty</a>
<b>Domain</b>	<a href="#">product:Item</a> <sup>C</sup> or <a href="#">product:Product</a> <sup>C</sup>
<b>Range</b>	<a href="#">ReusePotential</a> <sup>C</sup>

has system weight<sup>OP</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasSystemWeight>

**Sub Property Of** <http://qudt.org/schema/qudt/quantityValue><sup>OP</sup>

**Domain**

- [SystemMaximalWeightProperty](#)<sup>C</sup> or [SystemWeightProperty](#)<sup>C</sup> or [SystemMinimalWeightProperty](#)<sup>C</sup>
- [product:Product](#)<sup>C</sup> or [product:Item](#)<sup>C</sup>

**Range** [SystemWeight](#)<sup>C</sup>

has take back program<sup>OP</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasTakeBackProgram>

has takeback price<sup>OP</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasTakebackPrice>

**Sub Property Of** <http://w3id.org/CE0N/ontology/quantity/hasPrice>

has use span<sup>OP</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasUseSpan>

**Sub Property Of** <http://qudt.org/schema/qudt/quantityValue><sup>OP</sup>

**Super Property Of**

- [hasUseSpanRemaining](#)<sup>OP</sup>
- [hasUseSpanTotal](#)<sup>OP</sup>

**Domain** [product:Product](#)<sup>C</sup> or [product:Item](#)<sup>C</sup>

**Range** [UseSpanTime](#)<sup>C</sup>

has use span remaining<sup>OP</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasUseSpanRemaining>

**Sub Property Of** [hasUseSpan](#)<sup>OP</sup>

**Range** [UseSpanTime](#)<sup>C</sup>

has use span total<sup>OP</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasUseSpanTotal>

**Sub Property Of** [hasUseSpan](#)<sup>OP</sup>

**Range** [UseSpanTime](#)<sup>C</sup>



installation location<sup>op</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/installationLocation>

located in building<sup>op</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/locatedInBuilding>

**Sub Property Of** [locatedInZone<sup>op</sup>](#)

located in room<sup>op</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/locatedInRoom>

**Sub Property Of** [locatedInZone<sup>op</sup>](#)

located in storey<sup>op</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/locatedInStorey>

**Sub Property Of** [locatedInZone<sup>op</sup>](#)

located in zone<sup>op</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/locatedInZone>

**Super Property Of**

- [locatedInBuilding<sup>op</sup>](#)
- [locatedInRoom<sup>op</sup>](#)
- [locatedInStorey<sup>op</sup>](#)

**Range** <https://w3id.org/bot#Zone>

policy on treatment<sup>op</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/policyOnTreatment>

**Sub Property Of** [topObjectProperty<sup>op</sup>](#)

**Domain** [product:Item<sup>c</sup>](#) or [product:Product<sup>c</sup>](#)

**Range** [TreatmentPolicy<sup>c</sup>](#)

## Datatype Properties

numeric value<sup>dp</sup>

**IRI** <http://qudt.org/schema/qudt/numericValue>

construction year<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/constructionYear>

**Sub Property Of** [topDataProperty<sup>dp</sup>](#)

**Range** [xsd:gYear](#)

has accessories<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasAccessories>

**Domain** [product:Product<sup>c</sup>](#) or [product:Item<sup>c</sup>](#)

**Range** [xsd:string](#)

has deconstructability description<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasDeconstructabilityDescription>

has dismantling instruction<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasDismantlingInstruction>

**Sub Property Of** [topDataProperty<sup>dp</sup>](#)

**Domain** [product:Item<sup>c</sup>](#) or [product:Product<sup>c</sup>](#)

**Range** [xsd:anyURI](#)

has dismantling method<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasDismantlingMethod>

**Sub Property Of** [topDataProperty<sup>dp</sup>](#)

**Domain** [product:Product<sup>c</sup>](#) or [product:Item<sup>c</sup>](#)

**Range** [xsd:string](#)

has image<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasImage>

has installation date<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasInstallationDate>

**Sub Property Of** [topDataProperty<sup>dp</sup>](#)

**Domain** [product:Item](#)

**Range** [xsd:date](#)

has packaging recommendations after dismantling<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasPackagingRecommendationsAfterDismantling>

**Sub Property Of** [topDataProperty<sup>dp</sup>](#)

**Domain** [product:Product<sup>c</sup>](#) or [product:Item<sup>c</sup>](#)

**Range** [xsd:string](#)

has preuse description<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasPreuseDescription>

has product description<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasProductDescription>

**Sub Property Of** [topDataProperty<sup>dp</sup>](#)

**Domain** [product:Product<sup>c</sup>](#) or [product:Item<sup>c</sup>](#)

**Range** [xsd:string](#)

has product id<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasProductID>

**Sub Property Of** [topDataProperty<sup>dp</sup>](#)

**Domain** [product:Product<sup>c</sup>](#) or [product:Item<sup>c</sup>](#)

**Range** [xsd:int](#)

has production date<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasProductionDate>

**Sub Property Of** [topDataProperty<sup>dp</sup>](#)

**Domain** [product:Item](#)

**Range** [xsd:date](#)

has production site<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasProductionSite>

**Sub Property Of** [topDataProperty<sup>dp</sup>](#)

**Domain** [product:Product<sup>c</sup>](#) or [product:Item<sup>c</sup>](#)

**Range** [xsd:string](#)

has refurbishment method<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasRefurbishmentMethod>

**Sub Property Of** [topDataProperty<sup>dp</sup>](#)

**Domain** [product:Product<sup>c</sup>](#) or [product:Item<sup>c</sup>](#)

**Range** [xsd:string](#)

has reusability description<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasReusabilityDescription>

has take back program from original manufacturer<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasTakeBackProgramFromOriginalManufacturer>

**Sub Property Of** [topDataProperty<sup>dp</sup>](#)

**Domain** [product:Product](#)

**Range** [xsd:boolean](#)

has technical requirements for take back for recycling<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasTechnicalRequirementsForTakeBackForRecycling>

**Sub Property Of** [topDataProperty<sup>dp</sup>](#)

**Domain** [product:Product<sup>c</sup>](#) or [product:Item<sup>c</sup>](#)

**Range** [xsd:string](#)

has technical requirements for take back for reuse<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/hasTechnicalRequirementsForTakeBackForReuse>

**Sub Property Of** [topDataProperty<sup>dp</sup>](#)

**Domain** [product:Product<sup>c</sup>](#) or [product:Item<sup>c</sup>](#)

**Range** [xsd:string](#)

is contaminated<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/isContaminated>

**Sub Property Of** [topDataProperty<sup>dp</sup>](#)

**Domain** [product:Item<sup>c</sup>](#) or [product:Product<sup>c</sup>](#)

**Range** [xsd:boolean](#)

is take back program from other manufacturer available<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/isTakeBackProgramFromOtherManufacturerAvailable>

**Sub Property Of** [topDataProperty<sup>dp</sup>](#)

**Domain** [product:Product](#)

**Range** [xsd:boolean](#)

needs refurbishment before reuse<sup>dp</sup>

**IRI** <http://w3id.org/CE0N/demo/construction/needsRefurbishmentBeforeReuse>

## Annotation Properties

contributor<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/contributor>

created<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/created>

creator<sup>ap</sup>

**IRI** <http://purl.org/dc/terms/creator>

description<sup>ap</sup>

IRI <http://purl.org/dc/terms/description>

license<sup>ap</sup>

IRI <http://purl.org/dc/terms/license>

title<sup>ap</sup>

IRI <http://purl.org/dc/terms/title>

preferred namespace prefix<sup>ap</sup>

IRI <http://purl.org/vocab/vann/preferredNamespacePrefix>

preferred namespace uri<sup>ap</sup>

IRI <http://purl.org/vocab/vann/preferredNamespaceUri>

covers requirements<sup>ap</sup>

IRI <http://www.ontologydesignpatterns.org/schemas/cannotation-schema.owl#coversRequirements>

max qualified cardinality<sup>ap</sup>

IRI <http://www.w3.org/2002/07/owl#maxQualifiedCardinality>

## Namespaces

:

<http://w3id.org/CE0N/demo/construction/>

**actor**

<http://w3id.org/CE0N/ontology/actor/>

**actorODP**

<http://w3id.org/CE0N/ontology/actorODP/>

**dcterms**

<http://purl.org/dc/terms/>

**material**

<http://w3id.org/CE0N/ontology/material/>

**odp**

<http://www.ontologydesignpatterns.org/schemas/cannotationschema.owl#>

**owl**

<http://www.w3.org/2002/07/owl#>

**product**

<http://w3id.org/CE0N/ontology/product/>

**prov**

<http://www.w3.org/ns/prov#>

**rdf**

<http://www.w3.org/1999/02/22-rdf-syntax-ns#>

**rdfs**

<http://www.w3.org/2000/01/rdf-schema#>

**vann**

<http://purl.org/vocab/vann/>

**xsd**

<http://www.w3.org/2001/XMLSchema#>

## Legend

c	Classes
op	Object Properties
dp	Datatype Properties
ap	Annotation Properties