Circular Economy Ontology Network (CEON) - Construction Module

Metadata

IRI

http://w3id.org/CEON/ontology/construction/

Title

Circular Economy Ontology Network (CEON) - Construction Module

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License

https://github.com/LiUSemWeb/CEON/blob/master/LICENSE

Version Iri

http://w3id.org/CEON/ontology/construction/0.1/

Version Info

0.1

Preferred Namespace Prefix

construction

Preferred Namespace Uri

http://w3id.org/CEON/ontology/construction/

Description

The Product module of CEON (Circular Economy Ontology Network).

Classes

Construction Product ^C

IRI	http://w3id.org/CEON/ontology/construction/ConstructionProduct
Sub Class Of	product:Product
Super Class Of	FloorPanel ^C

Dimensional Deviation [C]

IRI	http://w3id.org/CEON/ontology/construction/DimensionalDeviation

Fire Resistance [C]

IRI	http://w3id.org/CEON/ontology/construction/FireResistance
In Range Of	hasFireResistance [op]
Named Individuals	F30 [ni] F60 [ni]

Fire Resistance Relation [C]

IRI	http://w3id.org/CEON/ontology/construction/FireResistanceRelation
Sub Class Of	actorODP:ResourceRelation

Floor Panel [C]

IRI	http://w3id.org/CEON/ontology/construction/FloorPanel
Sub Class Of	ConstructionProduct [C]

Floor Tile Condition [C]

IRI	http://w3id.org/CEON/ontology/construction/FloorTileCondition
Named Individuals	condition_bad [ni] condition_good [ni] condition_medium [ni]

Floor Tile Condition Relation [C]

IRI	http://w3id.org/CEON/ontology/construction/FloorTileConditionRelation
Sub Class Of	actorODP:ResourceRelation

Product Quality [c]

IRI	http://w3id.org/CEON/ontology/construction/ProductQuality
Named Individuals	quality_high [ni] quality_low [ni] quality_medium [ni]

Remaining Use Span [c]

IRI	http://w3id.org/CEON/ontology/construction/RemainingUseSpan
Sub Class Of	http://qudt.org/schema/qudt/Quantity

Treatment Policy [c]

IRI	http://w3id.org/CEON/ontology/construction/TreatmentPolicy

Object Properties

has accessory [op]

IRI	http://w3id.org/CEON/ontology/construction/hasAccessory

has condition [op]

IRI	http://w3id.org/CEON/ontology/construction/hasCondition

has conductivity [op]

IRI	http://w3id.org/CEON/ontology/construction/hasConductivity
Sub Property Of	http://qudt.org/schema/qudt/quantityValue

has dimensional deviation [op]

IRI	http://w3id.org/CEON/ontology/construction/hasDimensionalDeviation

has distance to recycling plant ^{op}

IRI	http://w3id.org/CEON/ontology/construction/hasDistanceToRecyclingPlant
Sub Property Of	http://qudt.org/schema/qudt/quantityValue

has fire resistance ^{op}

IRI	http://w3id.org/CEON/ontology/construction/hasFireResistance
Range	FireResistance ^c

has height ^{op}

IRI	http://w3id.org/CEON/ontology/construction/hasHeight
Sub Property Of	hasTileDimension ^{op}

has market value for new product ^{op}

IRI	http://w3id.org/CEON/ontology/construction/hasMarketValueForNewProduct
Sub Property Of	quantity:hasMarketValue

has market value for reused product ^{op}

IRI	http://w3id.org/CEON/ontology/construction/hasMarketValueForReusedProduct
Sub Property Of	quantity:hasMarketValue

has pedestal grid dimension ^{op}

IRI	http://w3id.org/CEON/ontology/construction/hasPedestalGridDimension
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Super Property Of	• pedestalGridHeight ^{op} • pedestalGridThickness ^{op} • pedestalGridWidth ^{op} • standardPedestalHeight ^{op}

has product category ^{op}

IRI http://w3id.org/CEON/ontology/construction/hasProductCategory

has recycling potential ^{op}

IRI http://w3id.org/CEON/ontology/construction/hasRecyclingPotential

Sub Property Of http://qudt.org/schema/qudt/quantityValue

has recycling separability ^{op}

IRI http://w3id.org/CEON/ontology/construction/hasRecyclingSeparability

Sub Property Of http://qudt.org/schema/qudt/quantityValue

has resistance to earth ^{op}

IRI http://w3id.org/CEON/ontology/construction/hasResistanceToEarth

Sub Property Of http://qudt.org/schema/qudt/quantityValue

has reuse deconstructability ^{op}

IRI http://w3id.org/CEON/ontology/construction/hasReuseDeconstructability

Sub Property Of http://qudt.org/schema/qudt/quantityValue

has reuse potential ^{op}

IRI http://w3id.org/CEON/ontology/construction/hasReusePotential

Sub Property Of http://qudt.org/schema/qudt/quantityValue

has system weight ^{op}

IRI http://w3id.org/CEON/ontology/construction/hasSystemWeight

Sub Property Of http://qudt.org/schema/qudt/quantityValue

has thickness ^{op}

IRI	http://w3id.org/CEON/ontology/construction/hasThickness
Sub Property Of	hasTileDimension ^{op}

has tile dimension ^{op}

IRI	http://w3id.org/CEON/ontology/construction/hasTileDimension
Sub Property Of	http://qudt.org/schema/qudt/quantityValue
Super Property Of	- hasHeight ^{op} - hasThickness ^{op} - hasWidth ^{op}

has use span remaining ^{op}

IRI	http://w3id.org/CEON/ontology/construction/hasUseSpanRemaining
Sub Property Of	http://qudt.org/schema/qudt/quantityValue

has use span total ^{op}

IRI	http://w3id.org/CEON/ontology/construction/hasUseSpanTotal
Sub Property Of	http://qudt.org/schema/qudt/quantityValue

has width ^{op}

IRI	http://w3id.org/CEON/ontology/construction/hasWidth
Sub Property Of	hasTileDimension ^{op}

ifc entity ^{op}

IRI	http://w3id.org/CEON/ontology/construction/ifcEntity

pedestal grid height ^{op}

IRI	http://w3id.org/CEON/ontology/construction/pedestalGridHeight
Sub Property Of	hasPedestalGridDimension ^{op}

pedestal grid thickness ^{op}

IRI	http://w3id.org/CEON/ontology/construction/pedestalGridThickness
Sub Property Of	hasPedestalGridDimension ^{op}

pedestal grid width ^{op}

IRI	http://w3id.org/CEON/ontology/construction/pedestalGridWidth
Sub Property Of	hasPedestalGridDimension ^{op}

policy on treatment ^{op}

IRI	http://w3id.org/CEON/ontology/construction/policyOnTreatment

quality of product ^{op}

IRI	http://w3id.org/CEON/ontology/construction/qualityOfProduct

standard pedestal height ^{op}

IRI	http://w3id.org/CEON/ontology/construction/standardPedestalHeight
Sub Property Of	hasPedestalGridDimension ^{op}

Datatype Properties

has contaminant ^{dp}

IRI   http://w3id.org/CEON/ontology/construction/hasContaminant

Sub Property Of topDataProperty ^{dp}

has dismantling method ^{dp}

IRI   http://w3id.org/CEON/ontology/construction/hasDismantlingMethod

Sub Property Of topDataProperty ^{dp}

has installation date ^{dp}

IRI   http://w3id.org/CEON/ontology/construction/hasInstallationDate

Sub Property Of topDataProperty ^{dp}

has packaging recommendations after dismantling ^{dp}

IRI   http://w3id.org/CEON/ontology/construction/hasPackagingRecommendationsAfterDismantling

Sub Property Of topDataProperty ^{dp}

has policy on treatment ^{dp}

IRI   http://w3id.org/CEON/ontology/construction/hasPolicyOnTreatment

has product description ^{dp}

IRI   http://w3id.org/CEON/ontology/construction/hasProductDescription

Sub Property Of topDataProperty ^{dp}

has product id ^{dp}

IRI   http://w3id.org/CEON/ontology/construction/hasProductID

Sub Property Of topDataProperty ^{dp}

has product name ^{dp}

IRI	http://w3id.org/CEON/ontology/construction/hasProductName
Sub Property Of	topDataProperty ^{dp}

has production date ^{dp}

IRI	http://w3id.org/CEON/ontology/construction/hasProductionDate
Sub Property Of	topDataProperty ^{dp}

has production site ^{dp}

IRI	http://w3id.org/CEON/ontology/construction/hasProductionSite
Sub Property Of	topDataProperty ^{dp}

has refurbishment method ^{dp}

IRI	http://w3id.org/CEON/ontology/construction/hasRefurbishmentMethod
Sub Property Of	topDataProperty ^{dp}

is built in ^{dp}

IRI	http://w3id.org/CEON/ontology/construction/isBuiltIn
Sub Property Of	topDataProperty ^{dp}

is external ^{dp}

IRI	http://w3id.org/CEON/ontology/construction/isExternal
Sub Property Of	topDataProperty ^{dp}

is loadbearing ^{dp}

IRI	http://w3id.org/CEON/ontology/construction/isLoadbearing
Sub Property Of	topDataProperty ^{dp}

take back program original manufacturer ^{dp}

IRI	http://w3id.org/CEON/ontology/construction/takeBackProgramOriginalManufacturer
Sub Property Of	topDataProperty ^{dp}

take back program other manufacturers ^{dp}

IRI	http://w3id.org/CEON/ontology/construction/takeBackProgramOtherManufacturers
Sub Property Of	topDataProperty ^{dp}

technical requirements for take back for recycling ^{dp}

IRI	http://w3id.org/CEON/ontology/construction/technicalRequirementsForTakeBackForRecycling
Sub Property Of	topDataProperty ^{dp}

technical requirements for take back for reuse ^{dp}

IRI	http://w3id.org/CEON/ontology/construction/technicalRequirementsForTakeBackForReuse
Sub Property Of	topDataProperty ^{dp}

Annotation Properties

contributor ^{ap}

IRI	http://purl.org/dc/terms/contributor

created ^{ap}

IRI	http://purl.org/dc/terms/created

creator ^{ap}

IRI	http://purl.org/dc/terms/creator

description ^{ap}

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

license ^{ap}

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

title ^{ap}

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

preferred namespace prefix ^{ap}

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

preferred namespace uri ^{ap}

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

covers requirements ^{ap}

IRI	http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#coversRequirements

Namespaces

:

http://w3id.org/CEON/ontology/construction/

actor

http://w3id.org/CEON/ontology/actor/

actorODP

http://w3id.org/CEON/ontology/actorODP/

datasheet

http://w3id.org/CEON/ontology/datasheet/

dcterms

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

material

http://w3id.org/CEON/ontology/material/

odp

http://www.ontologydesignpatterns.org/schemas/cpannotationschema.owl#

owl

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

product

http://w3id.org/CEON/ontology/product/

prov

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

quantity

http://w3id.org/CEON/ontology/quantity#

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/

Legend

c	Classes
op	Object Properties
dp	Datatype Properties
ap	Annotation Properties